

ULTRA  
SERIES

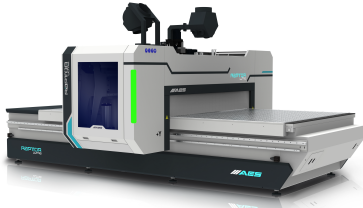


# PRICE LIST 2023

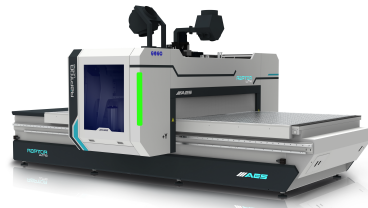
**RAPTOR**  
ULTRA

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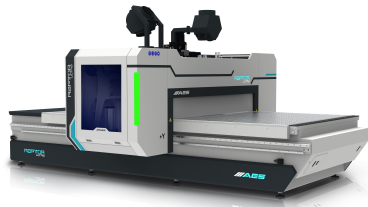
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**RAPTOR ULTRA 1325** 01-10-1-120-1325**96.750 €****1325**

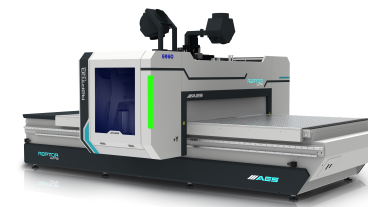
- Working Dimensions 1300 x 2500 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (2 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 4.100 kg

**RAPTOR ULTRA 1336** 01-10-1-120-1336**105.500 €****1336**

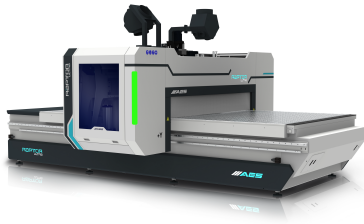
- Working Dimensions 1300 x 3700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (4 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 4.600 kg

**RAPTOR ULTRA 1632** 01-10-1-120-1632**103.000 €****1632**

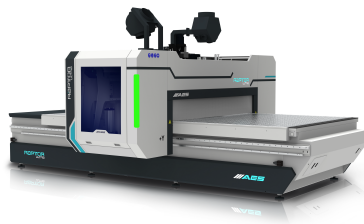
- Working Dimensions 1600 x 3200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (4 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 4.500 kg

**RAPTOR ULTRA 1640** 01-10-1-120-1640**114.500 €****1640**

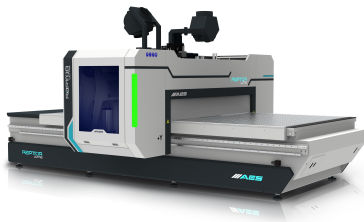
- Working Dimensions 1600 x 4000 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 4.700 kg

**RAPTOR ULTRA 2128** 01-10-1-120-2128**107.000 €****2128**

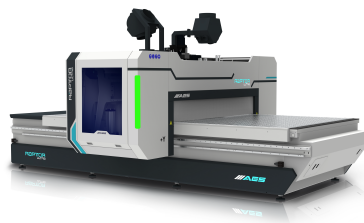
- Working Dimensions 2100 x 2800 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 5.000 kg

**RAPTOR ULTRA 2132** 01-10-1-120-2132**113.000 €****2132**

- Working Dimensions 2100 x 3200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 5.600 kg

**RAPTOR ULTRA 2136** 01-10-1-120-2136**117.000 €****2136**

- Working Dimensions 2100 x 3700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m³/h Becker Vacuum Pump / **Vacuum Areas (8 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 5.950 kg

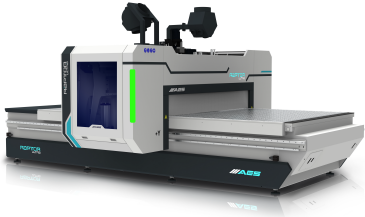
**RAPTOR ULTRA 2142** 01-10-1-120-2142**123.000 €****2142**

- Working Dimensions 2100 x 4200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 kW I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- **2x250m³/h Becker Vacuum Pump / Vacuum Areas (10 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 6.500 kg



**RAPTOR ULTRA CABINET VISION 2142**

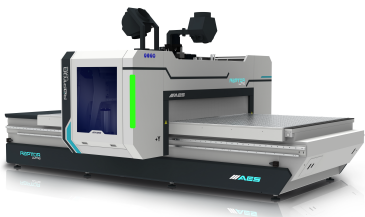
01-10-1-122-2142

**140.000 €****2142**

- Working Dimensions 2100 x 4200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- **12 kW I 15HP HSK F 63 HSD Spindle Motor**
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- **Unloading & Cleaning Unit**
- **Cabinet Vision Core Cabinets + xMachining + xMachining Router Package**
- **2x250m<sup>3</sup>/h Becker Vacuum Pump / Vacuum Areas (10 Zones)**
- Installed Power 30 kW
- Weight (Approx.) 7.000 kg

**RAPTOR ULTRA 2157**

01-10-1-122-2157

**134.500 €****2157**

- Working Dimensions 2100 x 5700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- **9 kW I 12HP HSK F 63 HSD Spindle Motor**
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- **2x250m<sup>3</sup>/h Becker Vacuum Pumps / Vacuum Areas (12 Zones)**
- **Double Working Zones**
- Installed Power 30 kW
- Weight (Approx.) 7.500 kg

**RAPTOR ULTRA LINE 1325**

01-10-1-126-1325

**115.000 €****1325**

- Working Dimensions 1300 x 2500 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (2 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 4.100 kg + 1.450kg

**RAPTOR ULTRA LINE 1336**

01-10-1-126-1336

**127.000 €****1336**

- Working Dimensions 1300 x 3700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (4 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 4.600 kg + 1.650kg

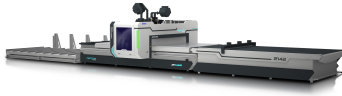
**RAPTOR ULTRA LINE 1632**

01-10-1-126-1632

**127.000 €****1632**

- Working Dimensions 1600 x 3200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (4 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 4.500 kg + 1.650kg

1640



- Working Dimensions 1600 x 4000 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 4.700 kg + 1.900kg

2128



- Working Dimensions 2100 x 2800 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 5.000 kg + 1.700kg

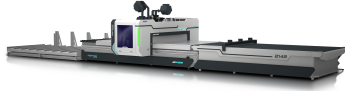
2132



- Working Dimensions 2100 x 3200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- 250m<sup>3</sup>/h Becker Vacuum Pump / **Vacuum Areas (6 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 5.600 kg + 1.900kg

**RAPTOR ULTRA LINE 2136**

01-10-1-126-2136

**148.000 €****2136**

- Working Dimensions 2100 x 3700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- **2x250m<sup>3</sup>/h Becker Vacuum Pump / Vacuum Areas (8 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 5.600 kg + 2.300kg

**RAPTOR ULTRA LINE 2142**

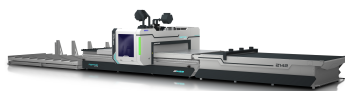
01-10-1-126-2142

**155.000 €****2142**

- Working Dimensions 2100 x 4200 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- **2x250m<sup>3</sup>/h Becker Vacuum Pump / Vacuum Areas (10 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- Installed Power 40 kW
- Weight (Approx.) 6.500 kg + 2.650kg

**RAPTOR ULTRA LINE 2157**

01-10-1-126-2157

**169.500 €****2157**

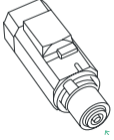
- Working Dimensions 2100 x 5700 mm / Z Axis Stroke 200 mm
- Aluminium Working Table
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 100m/min - Z: 20m/min
- 9 Kw I 12HP HSK F 63 HSD Spindle Motor
- HSD Boring Unit 10 Vertical Drill
- Rotary Tool Changer Unit (12 Tool Capacity – Right Side on the Bridge)
- Alphacam Core + xNesting (One Post)
- **2x250m<sup>3</sup>/h Becker Vacuum Pump / Vacuum Areas (12 Zones)**
- **Lift & Loading Unit**
- **Unloading & Cleaning Unit**
- **Conveyor Unit**
- **Double Working Area**
- Installed Power 40 kW
- Weight (Approx.) 7.500 kg + 2.950kg

# SPINDLE MOTOR OPTIONS

OPM601001

HSD 7,5 - 9 kW Spindle Motor

STD.

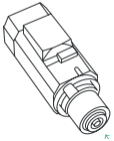


**HSD - 7.5kw** (10 HP) in S1, **9kw** (12 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, air cooling system

OPM601002

HSD 9 - 12 kW Spindle Motor

3.000 €

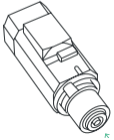


**HSD - 9kw** (12 HP) in S1, **12kw** (15 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, air cooling system

OPM601007

HSD 7,5 - 9 kW Spindle Motor(Liquid Cooling)

2.250 €



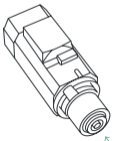
**HSD - 7,5kw** (10 HP) in S1, **9kw** (12 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, **liquid cooling system**

\* This option requires OPA0504 - Chiller Unit option for liquid cooling system.

OPM601008

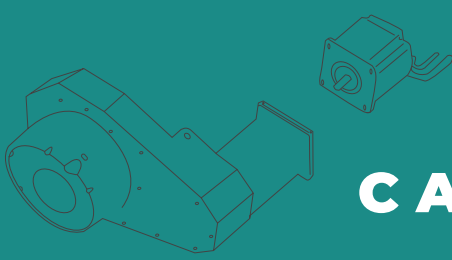
HSD 12-14 kW Spindle Motor(Liquid Cooling)

5.250 €



**HSD - 12kw** (15 HP) in S1, **14kw** (18.75 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, **liquid cooling system**

\* This option requires OPA0504 - Chiller Unit option for liquid cooling system.

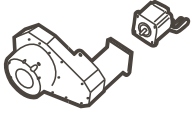


# C AXIS & AGGREGATE OPTIONS

OPM601003

C Axis - 4th Axis Option

6.775 €



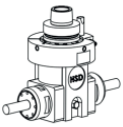
HSD - C Axis unit is an additional unit that is integrated with a spindle motor. The unit is used for automatic rotation of aggregate tools. Axis movements occur in the range of 0 - 360°.

\* This option requires minimum OPA079 – Alphacam xPositional Option and suitable aggregate unit.

OPA0300

HSD Door Processing Aggregate (H630229500)

3.000 €



**HSD Door Processing Aggregate;** ER32 connection, rotation speed 17.100rpm, HSK F63 connection, tool shaft diameter 2 ÷ 20 mm, max tool diameter 20mm, weight 4,3kg

\* This option requires minimum OPA079 – Alphacam xPositional Option for software.

OPA0301

HSD 0-90° Angular Aggregate (B6314B0031)

3.255 €



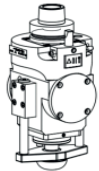
**HSD Angular Aggregate;** ER25 connection + 1 blade output, rotation speed 8-15.000rpm, HSK F63 connection, tool shaft diameter Ø1 ÷ Ø16 mm, max. tool diameter 16mm, max. saw diameter 180mm, working depth 50mm, weight 4,3kg

\* This option requires OPM601003 - C Axis - 4th Axis option working properly, still can be used only X Axis direction without C Axis Unit.

OPA0302

HSD Oscilating Aggregate (H6314H0458)

6.000 €



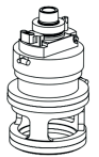
**HSD Oscilating Aggregate;** ER32 connection + 1 blade output, rotation speed 8.500rpm, HSK F63 connection, tool shaft diameter Ø6 mm, max. tool diameter 16mm, weight 6kg

\* This option requires OPM601003 - C Axis - 4th Axis option.

OPA0303

HSD Floating Aggregate (B6314B0022)

8.450 €



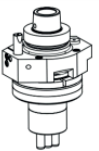
**HSD Floating Aggregate;** ER32 connection + 1 blade output, rotation speed 18.000rpm, HSK F63 connection, tool shaft diameter Ø2 ÷ Ø20 mm, weight 9,2kg

\* This option requires OPM601003 - C Axis - 4th Axis option.

OPA0305

BENZ Cabineo Aggregate (727CMV0053U2935)

5.620 €



**BENZ Cabineo Aggregate;** 3 drill bit connection point, rotation speed 10.000rpm, HSK F63 connection, maximum cycle torque m2 3Nm, tool shaft diameter Ø2 ÷ Ø20 mm, weight 4kg

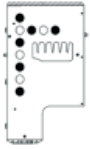
\* This option requires OPM601003 - C Axis - 4th Axis option.

# BORING UNIT OPTIONS

OPM601100

HSD 10 Vertical Spindles Boring Unit

5.250 €

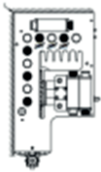


**HSD - 10 Vertical spindles;** 7 X Axis – 3 Y Axis direction, max. 6.000rpm, tool connection Ø10, 32mm drill center distances, air cooling system

OPM601101

HSD 10 Vertical - 3x2 Horizontal - 1 Saw Blade Boring Unit

7.350 €

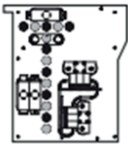


**HSD - 10 Vertical spindles;** 7 X Axis – 3 Y Axis direction, max. 6.000rpm for vertical drills, **3x2 horizontal spindles;** 2x2 X Axis, 1x1 Y axis direction, max. 4.740rpm for horizontal drills, **1 saw blade** – 120mm on X axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

OPM601102

HSD 14 Vertical - 3x2 Horizontal - 1 Saw Blade Boring Unit

8.400 €

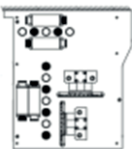


**HSD - 14 Vertical spindles;** 10 X Axis – 5 Y Axis direction, max. 6.000rpm for vertical drills, **3x2 horizontal spindles;** 2x2 X Axis, 1x1 Y axis direction, max. 4.740rpm for horizontal drills, **1 saw blade** – 120mm on X axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

OPM601107

HSD 12 Vertical - 4x2 Horizontal - 2 Saw Blade Boring Unit

9.750 €

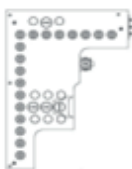


**HSD - 12 Vertical spindles;** 7 X Axis – 5 Y Axis direction, max. 6.000rpm for vertical drills, **4x2 horizontal spindles;** 2x2 X Axis, 2x2 Y axis direction, max. 4.740rpm for horizontal drills, **2 saw blade** – 120mm on X axis and Y axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

OPM601106

HSD 18 Vertical Spindles Boring Unit

10.000 €



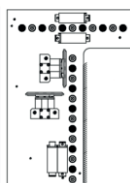
**HSD - 18 Vertical spindles;** 10 X Axis direction - 8 Y Axis direction, max. 6.000rpm, tool connection Ø10, 32mm drill center distances, air cooling system

\* When this option is selected, machine body structure has changed. Delivery time may longer than standard. There might be some limitations on working area according to selected model size.

OPM601105

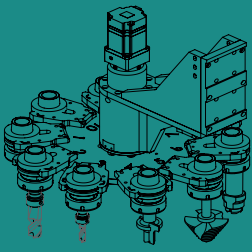
HSD 24 Vertical - 4x2 Horizontal - 2 Saw Blade Boring Unit

15.250 €



**HSD - 24 Vertical spindles;** 13 X Axis – 11 Y Axis direction, max. 6.000rpm for vertical drills, **4x2 horizontal spindles;** 2x2 X Axis, 2x2 Y axis direction, max. 4.740rpm for horizontal drills, **2 saw blade** – 120mm on X axis and Y axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

\* When this option is selected, machine body structure has changed. Delivery time may longer than standard. There might be some limitations on working area according to selected model size.

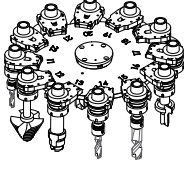


# MAGAZINE UNIT OPTIONS

OPM601200

Rotary Tool Changer Unit(12 Tools Capacity)

7.200 €

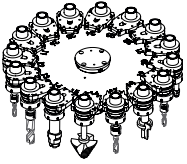


**12 Tools Capacity**, max. tool capacity 120mm(full equipment), max. tool capacity 165mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor, magazine cover

OPM601201

Rotary Tool Changer Unit ( 16 Tools Capacity)

9.400 €

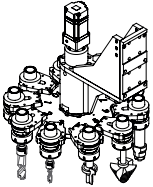


**16 Tools Capacity**, max. tool capacity 100mm(full equipment), max. tool capacity 125mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor, magazine cover

OPM601206

Rotary Tool Changer Unit ( 10 Tools Capacity)

5.200 €



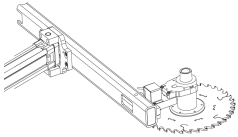
**10 Tools Capacity**, max. tool capacity 100mm(full equipment), max. tool capacity 165mm(in idle use), 120mm max. tool length, 5kg max. tool weight. **Unit is located on Z Axis**, tool check sensor

\* Aggregate units can not be hold on this option, only for regular tools!

OPM601205

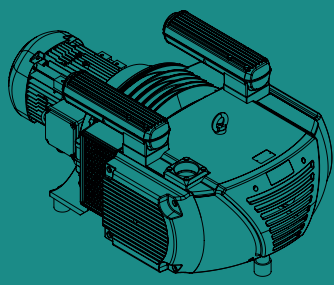
Aggregate Magazine Unit

3.000 €



**1 Set Special Aggregate Tool Capacity**, max. tool capacity 180mm, 170mm max. tool length, 12kg max. tool weight. Unit is located left side of the bridge





# VACUUM SYSTEM OPTIONS

OPM601304

Becker 250m<sup>3</sup>/h Vacuum Pump

7.375 €



**Dry type 250m<sup>3</sup>/h | 8.9 HP power**, air cooling, max. vacuum 244m<sup>3</sup>/h at 100mbar – 50Hz / 286m<sup>3</sup>/h at 200mbar – 60Hz

OPM601310

Becker 300m<sup>3</sup>/h Vacuum Pump(Claw Type)

9.930 €



**Dry type 300m<sup>3</sup>/h | 10 HP power**, air cooling, max. vacuum 275m<sup>3</sup>/h at 150mbar – 50Hz / 325m<sup>3</sup>/h at 150mbar – 60Hz, heating prevention system, silent working capacity, **claw vane technology**

OPM601306

Additional Vacuum Pump Connection

475 €

This option present for prepare additional vacuum pump outlet, if you order additional vacuum pump this price is include the price of vacuum pump, if you order only outlet this cost has to add price

OPM601701

2 Zones Vacuum Area

680 €

The system is divided into **two zones** that can be controlled independently.

OPM601702

4 Zones Vacuum Area

1.360 €

The system is divided into **four zones** that can be controlled independently.

OPM601703

6 Zones Vacuum Area

2.040 €

The system is divided into **six zones** that can be controlled independently.

OPM601704

8 Zones Vacuum Area

2.720 €

The system is divided into **eight zones** that can be controlled independently.

OPM601705

10 Zones Vacuum Area

3.400 €

The system is divided into **ten zones** that can be controlled independently.

OPM601706

12 Zones Vacuum Area

4.080 €

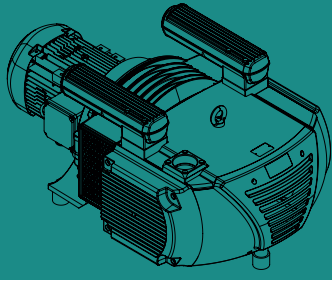
The system is divided into **twelve zones** that can be controlled independently.

OPM601707

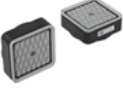

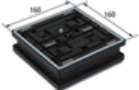
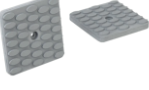

18 Zones Vacuum Area

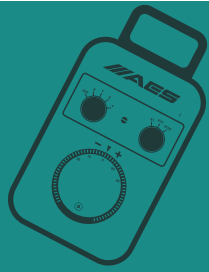
6.120 €

The system is divided into **eighteen zones** that can be controlled independently.



# VACUUM SYSTEM OPTIONS

OPM601750	Vacuboot Smart Vacuum Optimization System(Becker)	<b>21.585 €</b>
Becker 2x250m <sup>3</sup> /h Vacuum Pump 8 Zones Vacuum Area Vacuboot Smart Vacuum System		<b>14.750 €</b> <b>2.720 €</b> <b>4.115 €</b>
<p>The Vacuboot system is a patented vacuum system produced by AES. The system provides a stronger grip by managing the vacuum zones with smart optimization logic. There are 2x250m<sup>3</sup>/h vacuum pump and 8 zones vacuum area in the system.</p>		
<p>* Machine standard feature prices for vacuum pump and vacuum areas will be reduced from total list price of the option.</p>		
OPM601760	Vacuboot Smart Vacuum Optimization System(Becker Claw)	<b>26.695 €</b>
Becker 2x300m <sup>3</sup> /h Claw Type Vacuum Pump 8 Zones Vacuum Area Vacuboot Smart Vacuum Optimization System		<b>19.860 €</b> <b>2.720 €</b> <b>4.115 €</b>
<p>The Vacuboot system is a patented vacuum system produced by AES. The system provides a stronger grip by managing the vacuum zones with smart optimization logic. There are 2x300m<sup>3</sup>/h claw type vacuum pump and 8 zones vacuum area in the system.</p>		
<p>* Machine standard feature prices for vacuum pump and vacuum areas will be reduced from total list price of the option.</p>		
OPA0200	Schmalz Vacuum Block – 80x80x50mm	<b>250 €</b>
	<b>Dimension</b> : 80x80 Width <b>Height</b> : 50mm <b>Weight</b> : 0,278kg Single sided connection system	
OPA0201	Schmalz Vacuum Block – 80x40x50mm	<b>250 €</b>
	<b>Dimension</b> : 80x40 Width <b>Height</b> : 50mm <b>Weight</b> : 0,222kg Single sided connection system	
OPA0202	Schmalz Vacuum Block – 160x160x30mm	<b>325 €</b>
	<b>Dimension</b> : 160x160 Width <b>Height</b> : 30mm <b>Weight</b> : 0,896kg Double sided connection system Connection with vacuum hose (4mm) Target vacuum level for processing 600mbar	
OPM601012	Double Sided Vacuum Blocks Preperation	<b>485 €</b>
OPA0203	Rubber Seal - 66x66mm	<b>57 €</b>
	<b>Dimension</b> : 66x66 Width <b>Height</b> : 8,5mm <b>Weight</b> : 0,08kg Single sided connection system	
OPA0204	Impermeability Piping(mt)	<b>3,35 €/M</b>
	<b>Outer Dimension Diameter</b> : 10mm <b>Material Type</b> : Plastic foam <b>Sealing Material</b> : EPDM <b>Material Hardness</b> : 20 °Sh	



# HAND CONTROL/READER OPTIONS

OPM601005

Hand Wheel Unit

STD.

The hand wheel is used to control the machine axes outside the control panel in manual mode. Machine axes and working speeds can be controlled via hand wheel.

OPM601006

OSAI Hand Terminal Unit

1.420 €



The handheld terminal is used to control the machine axes outside the control panel in manual mode. Machine operating speeds and parameters can be controlled with the help of the terminal. In addition, with the help of a handheld terminal, general commands can be controlled with the help of tool change, vacuum zone control, dust collection and bellows systems.

OPM601012

OSAI Hand Terminal Unit (OpenWiTP)

3.860 €



The handheld terminal is used to control the machine axes outside the control panel in manual mode. Machine operating speeds and parameters can be controlled with the help of the terminal. In addition, with the help of a handheld terminal, general commands can be controlled with the help of tool change, vacuum zone control, dust collection and bellows systems. System includes barcode reader and RFID tracking systems.

OPM601009

Barcode Reader Option

1.420 €



1D Laser barcode reader, 433Mhz wifi Link connection, 0.1 Resolution, 0 ~ 250mm Reading Distance

OPM601010

Double Working Zone Option

2.700 €

The double working zone option is used to work in a double zone with a second origin point in the machine working area. With the option, additional piston connections are made for reference to the working area and the working area option is controlled through the control panel. By means of double zone operation, the machine can simultaneously process in two areas as right and left working direction.

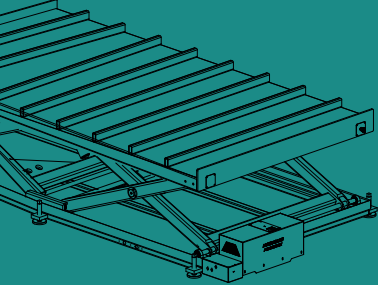
\* If Safety Lights option selected with Double Working Zone option, there have to be 2 sets of Safety Lights.

OPM601004

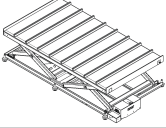
Tool Cooling Unit Option

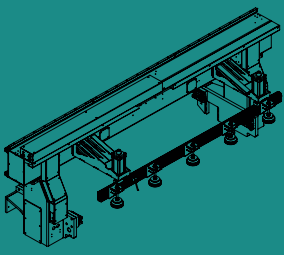
3.675 €

The tool cooling unit works with a liquid cooling system. The coolant added to the machine extends the machining quality and tool life by cooling the heated tool with the help of liquid during special material processing operations.



# LIFT UNIT OPTIONS

OPM601400	Lift Unit - 1325	<b>3.625 €</b>
	<b>1300x2500mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601408	Lift Unit - 1336	<b>5.100 €</b>
	<b>1300x3700mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601401	Lift Unit - 1632	<b>5.100 €</b>
	<b>1600x3200mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601402	Lift Unit - 1640	<b>5.830 €</b>
	<b>1600x4000mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601403	Lift Unit - 2128	<b>5.590 €</b>
	<b>2100x2800mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601404	Lift Unit - 2132	<b>6.300 €</b>
	<b>2100x3200mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601407	Lift Unit - 2136	<b>6.930 €</b>
	<b>2100x3700mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601405	Lift Unit - 2142	<b>7.400 €</b>
	<b>2100x4200mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	
OPM601406	Lift Unit - 2157	<b>9.220 €</b>
	<b>2100x5700mm</b> dimensions, 500mm loading capacity, 3 Pcs manual alignment rollers	



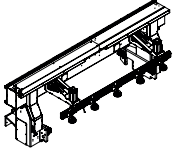
# LOADING UNIT OPTIONS

OPM601420

Loading Unit - 1300mm

3.200 €

**1300mm** loading capacity | **4pcs** loading cups



OPM601421

Loading Unit - 1600mm

4.050 €

**1600mm** loading capacity | **5pcs** loading cups

OPM601422

Loading Unit - 2100mm

5.000 €

**2100mm** loading capacity | **6pcs** loading cups

OPM601423

Loader X Loading Unit - 1300mm

3.465 €

**1300mm** loading capacity | **2pcs** loading clamps

\*This option use together with Loader X - Automatic Alignment System and Upper Pressure Roller System options.

OPM601424

Loader X Loading Unit - 1600mm

4.415 €

**1600mm** loading capacity | **2pcs** loading clamps

OPM601425

Loader X Loading Unit - 2100mm

5.365 €

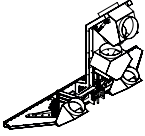
**2100mm** loading capacity | **2pcs** loading clamps

# UNLOADING & CLEANING UNIT OPTIONS

OPM601500

Unloading & Cleaning Unit – 1300mm

5.450 €



**1300mm unloading capacity** | Min. thickness 8mm | Max. thickness 60mm | Max weight 200kg | Working with **DC Motor** and Potentiometer controlled system.

OPM601501

Unloading & Cleaning Unit – 1600mm

6.290 €

**1600mm unloading capacity** | Min. thickness 8mm | Max. thickness 60mm | Max weight 275kg | Working with **DC Motor** and Potentiometer controlled system.

OPM601502

Unloading & Cleaning Unit – 2100mm

7.250 €

**2100mm unloading capacity** | Min. thickness 8mm | Max. thickness 60mm | Max weight 300kg | Working with **DC Motor** and Potentiometer controlled system.

OPM601509

Unloading & Cleaning Unit – 1300mm (Servo Motor)

7.920 €

**1300mm unloading capacity** | Min. thickness **4mm** | Max. thickness 60mm | Max weight 200kg | Working with **Servo Motor** controlled system

OPM601511

Unloading & Cleaning Unit – 1600mm (Servo Motor)

8.760 €

**1600mm unloading capacity** | Min. thickness **4mm** | Max. thickness 60mm | Max weight 275kg | Working with **Servo Motor** controlled system

OPM601515

Unloading & Cleaning Unit – 2100mm (Servo Motor)

9.720 €

**2100mm unloading capacity** | Min. thickness **4mm** | Max. thickness 60mm | Max weight 300kg | Working with **Servo Motor** controlled system

OPM601520

Cover Curtain System – 1300mm

3.730 €

**1300mm** working area dimensions | System controls bridge cover curtain up/down movement automatically.

OPM601521

Cover Curtain System – 1600mm

3.960 €

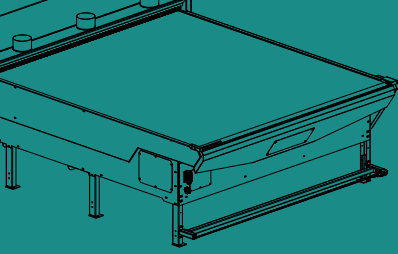
**1600mm** working area dimensions | System controls bridge cover curtain up/down movement automatically.

OPM601522

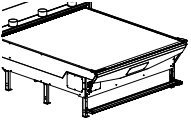
Cover Curtain System – 2100mm

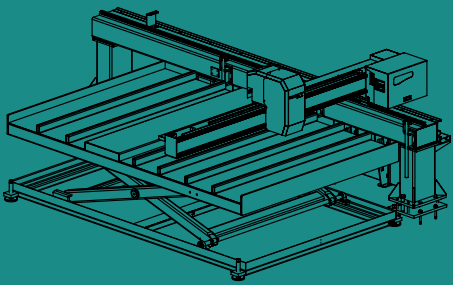
4.285 €

**2100mm** working area dimensions | System controls bridge cover curtain up/down movement automatically.

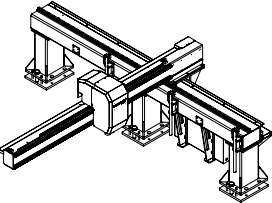
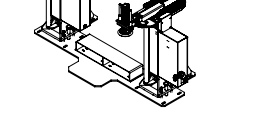


# CONVEYOR UNIT OPTIONS

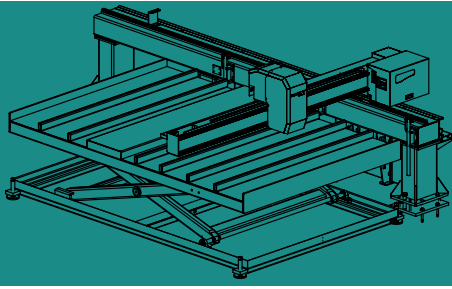
OPM601600	Conveyor Unit - 1325	<b>6.350 €</b>
	<b>1300x2500mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601608	Conveyor Unit - 1336	<b>8.840 €</b>
	<b>1300x3700mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601601	Conveyor Unit - 1632	<b>8.840 €</b>
	<b>1600x3200mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601602	Conveyor Unit - 1640	<b>9.315 €</b>
	<b>1600x4000mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601603	Conveyor Unit - 2128	<b>10.020 €</b>
	<b>2100x2800mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601604	Conveyor Unit - 2132	<b>11.285 €</b>
	<b>2100x3200mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601607	Conveyor Unit - 2136	<b>11.865 €</b>
	<b>2100x3700mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601605	Conveyor Unit - 2142	<b>12.400 €</b>
	<b>2100x4200mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	
OPM601606	Conveyor Unit - 2157	<b>14.765 €</b>
	<b>2100x5700mm</b> dimensions, 3x150mm dust collection outlet, control by sensor	



# LABEL X & LABELLING ALIGNMENT SYSTEM OPTIONS

01-10-50-1-100-1325	Label X – 1325 Automatic Labelling and Alignment System	13.420 €
	<p><b>1300x2500mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p> <p>* Option price is not included lift unit and software option prices. This options has to be selected separately.</p> <p>* When this option selected Loader X and Auto Alignment options can not be selected! Above mentioned notes are valid for all sizes.</p>	
01-10-50-1-100-1336	Label X – 1336 Automatic Labelling and Alignment System	14.620 €
	<p><b>1300x3700mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-1632	Label X – 1632 Automatic Labelling and Alignment System	14.620 €
	<p><b>1600x3200mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-1640	Label X – 1640 Automatic Labelling and Alignment System	15.900 €
	<p><b>1600x4000mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-2128	Label X – 2128 Automatic Labelling and Alignment System	14.800 €
	<p><b>2100x2800mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-2132	Label X – 2132 Automatic Labelling and Alignment System	15.350 €
	<p><b>2100x3200mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-2136	Label X – 2136 Automatic Labelling and Alignment System	16.200 €
	<p><b>2100x3700mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-2142	Label X – 2142 Automatic Labelling and Alignment System	16.800 €
	<p><b>2100x4200mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-100-2157	Label X – 2157 Automatic Labelling and Alignment System	19.100 €
	<p><b>2100x5700mm</b> dimensions, working speeds X:40m/min – Y:50m/min, automatic labelling and alignment capacity</p>	
01-10-50-1-155-2136	Automatic Alignment System	7.820 €
	<p>Automatic piece alignment system, maximum alignment distance 250mm</p> <p>* Option price is not included lift unit and software option prices. This options has to be selected separately.</p> <p>* When this option selected Label X and Loader X options can not be selected! Above mentioned notes are valid for all sizes.</p>	
OPM601450	Manuel Labelling Unit	3.130 €
	<p>15'' – 1024x768px touch screen, industrial type barcode printer, IPC unit</p>	



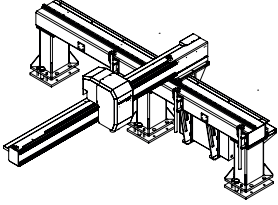


# LAOADER X & LOADING ALIGNMENT SYSTEM OPTIONS

01-10-50-1-150-1325

Loader X – 1325 Multiplate Loading and Alignment System

12.900 €



**1300x2500mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

\* Option price is not included lift unit and software option prices. This options has to be selected separately.

\* When this option selected Label X and Auto Alignment options can not be selected! Above mentioned notes are valid for all sizes.

01-10-50-1-150-1336

Loader X – 1336 Multiplate Loading and Alignment System

14.100 €

**1300x3700mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-1632

Loader X – 1632 Multiplate Loading and Alignment System

14.100 €

**1600x3200mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-1640

Loader X – 1640 Multiplate Loading and Alignment System

15.400 €

**1600x4000mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-2128

Loader X – 2128 Multiplate Loading and Alignment System

14.300 €

**2100x2800mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-2132

Loader X – 2132 Multiplate Loading and Alignment System

14.830 €

**2100x3200mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-2136

Loader X – 2136 Multiplate Loading and Alignment System

15.600 €

**2100x3700mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-2142

Loader X – 2142 Multiplate Loading and Alignment System

16.300 €

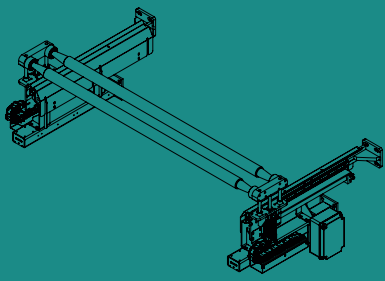
**2100x4200mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

01-10-50-1-150-2157

Loader X – 2157 Multiplate Loading and Alignment System

18.600 €

**2100x5700mm** dimensions, working speeds X:40m/min – Y:50m/min, multi plate loading and alignment capacity, 3 levels height setting, 3x18mm loading capacity.

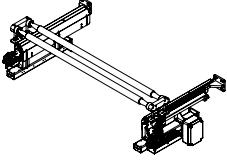


# UPPER PRESSURE ROLLER SYSTEM OPTIONS

OPM601430

Upper Pressure Rollers – 1300mm

**8.300 €**



Upper pressure roller system unit can use for to make cutting more than one plate at the same time or use as addition to vacuum system to hold very small pieces. It provides strong holding during cutting operations.

OPM601431

Upper Pressure Rollers – 1600mm

**8.670 €**

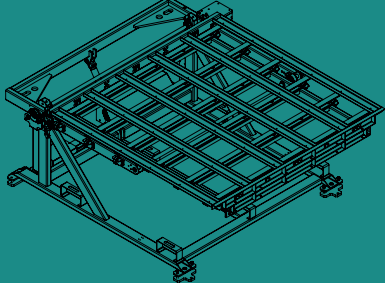
Upper pressure roller system unit can use for to make cutting more than one plate at the same time or use as addition to vacuum system to hold very small pieces. It provides strong holding during cutting operations.

OPM601432

Upper Pressure Rollers – 2100mm

**9.100 €**

Upper pressure roller system unit can use for to make cutting more than one plate at the same time or use as addition to vacuum system to hold very small pieces. It provides strong holding during cutting operations.

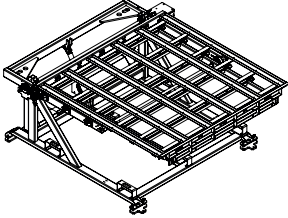


# TURN X SYSTEM OPTIONS

01-10-50-1-160-1325

Turn X – 1325 Automatic Plate Turning System

15.000 €



**1300x2500mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

\* Option price is not included lift unit and software option prices. This options has to be selected separately.

\* When this option selected Loader X and Auto Alignment options can not be selected! This option requires Label X system option.  
Above mentioned notes are valid for all sizes.

01-10-50-1-160-1336

Turn X – 1336 Automatic Plate Turning System

16.600 €

**1300x3700mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-1632

Turn X – 1632 Automatic Plate Turning System

16.600 €

**1600x3200mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-1640

Turn X – 1640 Automatic Plate Turning System

18.000 €

**1600x4000mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-2128

Turn X – 2128 Automatic Plate Turning System

16.800 €

**2100x2800mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-2132

Turn X – 2132 Automatic Plate Turning System

17.500 €

**2100x3200mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-2136

Turn X – 2136 Automatic Plate Turning System

18.170 €

**2100x3700mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-2142

Turn X – 2142 Automatic Plate Turning System

18.800 €

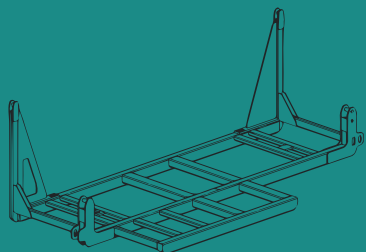
**2100x4200mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.

01-10-50-1-160-2157

Turn X – 2157 Automatic Plate Turning System

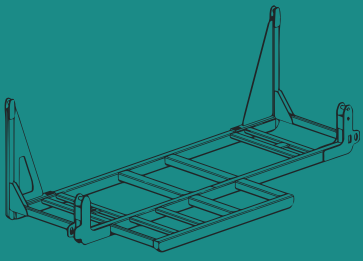
20.630 €

**2100x5700mm** dimensions, Turn X Automatic Plate Turning System turns the plate which is labeled with the Label X unit automatically. System is designed mainly for cabinet manufacturers.



# WARRANTY & PACKAGING OPTIONS

OPA0604	Warranty Option +1 Year	+%5
	This option is extens warranty period +1 year.	
OPA0012	Installation, Training and Comissioning	500 €/D
	Installation, Training and Comissioning of the machine is carried out by AES Group authorized personnel or by third parties authorized by AES Group. Installation is provided by expert technicians, including all necessary steps.	
OPM601900	Raptor Ultra 1325 – Seaway Packaging	1.450 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601901	Raptor Ultra 1336– Seaway Packaging	1.650 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601902	Raptor Ultra 1632 – Seaway Packaging	1.650 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601903	Raptor Ultra 1640 – Seaway Packaging	1.850 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601904	Raptor Ultra 2128– Seaway Packaging	1.750 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601905	Raptor Ultra 2132 – Seaway Packaging	1.850 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601906	Raptor Ultra 2136 – Seaway Packaging	1.950 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601907	Raptor Ultra 2142– Seaway Packaging	2.150 €
	The unit is the transport platform required for loading the machine into the container.	
OPM601908	Raptor Ultra 2157 – Seaway Packaging	2.300 €
	The unit is the transport platform required for loading the machine into the container.	



## WARRANTY & PACKAGING OPTIONS

OPM601921	Raptor Ultra 1325/1336 – Truck Packaging Cost	<b>450 €</b>
	The unit is the transport platform required for loading the machine into the truck.	
OPM601923	Raptor Ultra 1632/1640 – Truck Packaging Cost	<b>500 €</b>
	The unit is the transport platform required for loading the machine into the truck.	
OPM601925	Raptor Ultra 2128/2132/2136/2142/2157 – Truck Packaging Cost	<b>650 €</b>
	The unit is the transport platform required for loading the machine into the truck.	
OPM601950	Raptor Ultra Crane Handling System	<b>450 €</b>
	The unit is the transport platform required for loading the machine with a crane system	



# SOFTWARE OPTIONS

OPA0077	Alphacam Core - One Post CAD / CAM Program	2.035 €
OPA0087	Alphacam Core - Multi Post CAD / CAM Program	2.850 €
	ALPHACAM Core is the foundation for your manufacturing needs, offering a wide range of essential functionality for part programming. Core includes the ability for CAD importing, toolpath generation, simulation, report generation, and more. Start with ALPHACAM Core for your essential requirements, and add multipliers to build the CAM solution that meets the unique needs of your business.	
OPA0078	Alphacam Core xNesting Module - One Post	1.025 €
OPA0088	Alphacam Core xNesting Module - Multi Post	1.425 €
	Nested manufacturing is made easy using ALPHACAM's xNesting multiplier. Parts can be selected directly from the screen or as a kit; their orientation fixed, if grain direction needs to be maintained or rotated to any angle. Nesting supports tool lead in/out, support tags for small parts, avoiding loss of table vacuum and multiple depth cuts, if an onion skin is required.	
OPA0079	Alphacam Core xPositional Module - One Post	1.525 €
OPA0089	Alphacam Core xPositional Module - Multi Post	2.135 €
	For manufacturers that have 4/5-axis machinery but don't need the complexity of simultaneous motion toolpaths, the xPositional multiplier is the perfect solutions. By unlocking an additional axis, you will be able to program your machine to cut from any angle.	
OPA0080	Alphacam Core xSimultaneous Module - One Post	3.050 €
OPA0090	Alphacam Core xSimultaneous Module - Multi Post	3.100 €
	Head mounted rotary axes on CNC routers can be programmed at any orientation. Aggregates with a programmable rotary axis and manual tilt are fully supported, as well as fully interpolating 5-axis heads. Safe rapid moves between planes are automatically controlled and verified using advanced solid simulation.	
OPA0081	Alphacam Core xSolids Module - One Post	1.025 €
OPA0091	Alphacam Core xSolids Module - Multi Post	1.425 €
	If you are working with solid models, xSolids provides the tools you need to import, prepare, and process your files for manufacture. xSolids handles nearly all types of solid models and assemblies, and gives you the ability to automatically recognize features, extract geometries, and apply toolpaths.	
OPA0082	Alphacam Core xAutomation Module - One Post	1.025 €
OPA0092	Alphacam Core xAutomation Module - Multi Post	1.425 €
	With xAutomation, 2D and 3D CAD files, along with solid models from third party software, can be batch processed - from file preparation right through to applying toolpaths with NC code being generated automatically. In addition, the files create a full report structure, along with labels and bar coding. Using xAutomation can save an end user days and weeks, potentially even months of programming time in a year.	



# SOFTWARE OPTIONS

OPA0083	Alphacam Core xFixtures Module - One Post	510 €
OPA0093	Alphacam Core xFixtures Module - Multi Post	715 €
	<p>If you need to control the placement, position, and movement of your machinery's fixtures and clamps within your CAM system, xFixtures is the multiplier for you. Add fixtures to your drawings with drag and drop ease, utilize robust simulation to visualise the placement and motion of your fixtures and materials, or take advantage of features for automatic pod and rail positioning. xFixtures puts you in control.</p>	
OPA0084	Alphacam Core xConstraints Module - One Post	1.025 €
OPA0094	Alphacam Core xConstraints Module - Multi Post	1.425 €
	<p>Parametric part programming can save you hours of time and eliminate errors by creating rules for how certain part attributes are affected when other attributes change. xConstraints gives you the full set of tools and commands to take full advantage of constraints, allowing you to program smart parts with ease.</p>	
OPA0085	Alphacam Core xAPI Module - One Post	510 €
OPA0095	Alphacam Core xAPI Module - Multi Post	715 €
	<p>ALPHACAM's xAPI multiplier allows you to tap into our powerful CAM engine utilising standard programming languages to extend and customise the way the software functions. Whether you are looking to create applications that streamline your manufacturing operations, or developing unique programs for custom manufacturing applications, xAPI allows you to take full advantage of the power of ALPHACAM.</p>	
OPA0086	Alphacam Core xRobotics Module - One Post	1.025 €
OPA0096	Alphacam Core xRobotics Module - Multi Post	1.425 €
	<p>If you are working with solid models, xSolids provides the tools you need to import, prepare, and process your files for manufacture. xSolids handles nearly all types of solid models and assemblies, and gives you the ability to automatically recognize features, extract geometries, and apply toolpaths.</p>	
OPA0019	Alphacam Network License Module	%25
	<p>This module use for Alphacam license more than single machine at the same time. To use license actively the PC that Alphacam dongle activated and 2nd PC has to work in same network</p>	
OPA0028	Alphacam Aspire Program	4.790 €
	<p>Alphacam Aspire is a special program which is developed for three dimensional carving. It converts all types of 2D design into 3D designs and it enables machining by converting the photos into 3D dimensions.</p>	



# SOFTWARE OPTIONS

OPA0009

Alphacam Cabinet Door Manufacturing(CDM)

4.990 €

Alphacam Cabinet Door Manufacturing (CDM) is an innovative panel door program for Alphacam. It enables door manufacturers to take full advantage of Alphacam, the comprehensive and fully-featured CAD/-CAM system for use with Microsoft Windows platforms. CDM also has an order-entry facility which provides information for built in, fully-customizable bar coding and part-labeling functions

\*This option requires OPA077 – Alphacam Core – One Post or upper level program, if necessary xPositional or another modules has to be added.

OPA0074

Alphacam Labelling Package

OPA00029

2.200 €

Package is the subpackage of the Alphacam program used to print labels. Labelling program allows the CNC operator to produce labels for parts on the program and print them with the help of a screen and printer. This program offers an ideal solution for nesting-based production. Package is a sub-package of the Alphacam used to generate cutting data for CNC Routers, CNC Machining Centers and CNC Drilling Machines.

\*This option requires OPA077 – Alphacam Core – One Post or upper level program.

OPA0015

AES Windoor Macro Door Program

1.980 €

AES Windoor program is a parametric macro door program which is working integrated with Alphacam software. Ready macro designs inside of the program processing directly after change dimensions.

\*This option requires OPA077 – Alphacam Core – One Post + OPA079 - xPositional modules or upper level programs.

OPA0016

AES Door Macro Program

1.980 €

AES Door program is a parametric macro cabinet door program which is working integrated with Alphacam software. Ready macro designs inside of the program processing directly after change dimensions.

\*This option requires OPA077 – Alphacam Core – One Post + OPA079 - xPositional modules or upper level programs.





# SOFTWARE OPTIONS

OPA0017	AES Drill Macro Program	1.980 €
	<p>AES Drill program is a parametric macro drilling program which is working integrated with Alphacam software. It can create drilling applications from ready macros within program.</p> <p>*This option requires OPA077 – Alphacam Core – One Post + OPA079 - xPositional modules or upper level programs.</p>	
OPA0020	AES Post Processor (2 Axis)	1.750 €
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine. If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>	
OPA0029	AES Post Processor (3 Axis)	2.850 €
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine. If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>	
OPA0030	AES Post Processor (5 Axis)	8.350 €
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine. If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>	
OPA0025	Cabinet Vision Labelling Package(CNC Routers)	8.535 €
	<p>Cabinet Vision Core Cabinets</p> <p>Cabinet Vision Core Cabinet xMachining Module (S2M Center)</p> <p>Cabinet Vision Core Cabinet xMachining Module Labelling Package</p> <p>Cabinet Vision Core Cabinet xMachining Module CNC Router Package</p>	<p>3.060 €</p> <p>2.470 €</p> <p>1.770 €</p> <p>1.235 €</p>
OPA0036	CV Core Cabinets	3.060 €
	<p>Cabinet Vision Core Cabinets is a design and production software that allows you to design your kitchen cabinet or cabinet modules in detail. Core Cabinets automatically creates project drawings, 3D renderings, material requirements, cut lists and forecast data. Sketch your project graphically, complete your drawings and quickly analyze your costs. Prepare or change your designs in a short time thanks to its parametric structure. Save your designs in your library.</p>	
OPA0037	CV Core Closets	2.530 €
	<p>CaCabinet Vision Core Closets is a design and production software that allows you to design your kitchen cabinet or cabinet modules in detail. Core Closets automatically creates project drawings, 3D renderings, material requirements, cut lists and forecast data. Sketch your project graphically, complete your drawings and quickly analyze your costs. Prepare or change your designs in a short time thanks to its parametric structure. Save your designs in your library. structure. Save your designs in your library.</p>	



# SOFTWARE OPTIONS

OPA0038

CV Core xCAD Module

1.765 €

Cabinet Vision x2D CAD module is a module used for 2D CAD submission and shop drawings for architectural solutions. The x2D CAD module has a streamlined structure to send annotated drawings to architects or related subcontractors for design purposes. x2D CAD offers additional tools and services that can automatically receive updates from the live drawing.

OPA0039

CV Core xCAD Module Plugs in Package

530 €

The plug-ins package is a customized software package for commercial manufacturers to more easily solve delivery drawing difficulties. With this plug-in, more detailed optimizations can be performed with less data entry. It also allows you to make smart object and assembly optimization in cabinet production without the need for advanced settings via Cabinet Vision. The plug-in works as an add-on package for the x2D CAD module. It works together with this module.

OPA0040

CV Core xBidding Module

1.235 €

Cabinet Vision xBidding Module allows you to make detailed offer analysis at costing and bidding stages. With the help of the module, project costing is done in the most accurate way, and full control over costs is achieved with profitability analysis. A full cost analysis can be made with labor, material and additional expense definitions. It works with automatic corrections instead of getting costs from scratch in project changes with smart pricing methods. The module is offered as an advanced and customized version of the standard bidding feature in the Core package.

OPA0041

CV Core xBidding Module Catalog Editor Package

530 €

The plug-in allows CV users to create their own custom modular catalog. Predefined settings can be transferred in the modular catalog. It allows the creation of a distributable catalog by transferring details such as materials, plans, cabinets and drawers, profiles, connection methods and part pricing in the catalog. It protects your design data by preventing the created catalog from being changed and copied after distribution. This package works as a plug-in to the bidding module.

OPA0042

CV Core xBench Module

1.235 €

With the help of the module, bench production can also be carried out as an uninterrupted production integrated with cabinet and kitchen production. The module works fully integrated with the CV Core structure, allowing you to create projects in full compliance with the connection structure used in cabinets and drawers. The machine module calculates the cut lists for the machines, automatically updates the settings required to transfer design changes to production, and makes it easy to apply pull bolt, alignment holes and other operations on the machine. Provides general control over the cost of all structures.



# SOFTWARE OPTIONS

OPA0043

CV Core xCRM Module

1.235 €

It is a customer relations module where xCRM Cabinet Vision can manage customer, dealer and supplier relations. The module allows easy management of projects according to customers by creating customer lists. The module creates a central management system by matching the project with the customer. It has an easy-to-use and understandable interface for timely and complete delivery of projects.

OPA0044

CV Core xOptimization Module

705 €

The xOptimization module allows you to make optimum use of material by automatically optimizing panel sizing machines. The system also allows manual cutting optimization. CV integration and saw attachment allow cutting lists to be sent directly to the panel sizing machine as a work list. The module plotter can also be sent manually to the lying circle.

OPA0045

CV Core xRender Module

705 €

The xRender module is an additional module of the CV Core system used to prepare high-level presentations for customers by preparing realistic renderings. Thanks to the latest technology, it allows you to prepare renders that you can present to your customers within minutes. With realistic renderings, the finished project can be viewed in the most accurate way.

OPA0046

CV Core xRender Module Tour Package

530 €

With this feature, which is an additional package of the CV Core + Render module, the real-time rendered project can be navigated to make a presentation to the customer. Project details can be shown to the client as real-time rendering.

OPA0047

CV Core xReporting Module

1.770 €

xReporting section allows you to get detailed reports for your projects with more than 150 ready-made reporting systems and customizable reporting editor. Thanks to the module, it can get reports on different parameters with a single click. Working integrated with Cabinet Vision, the module automatically tracks updates and allows instant reporting.

OPA0048

CV Core xShaping Module

1.770 €

xShaping module is used to design special shaped cuts such as corner cuts, notch trimming, finger notch etc. Not all parts in designs include straight cuts, in some cases it requires angled cuts to have irregular shapes in the design. The module allows to easily design these shapes parametrically. The module also provides easy access to the CAM editor to add workpieces such as plumbing holes etc.



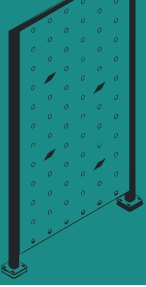
# SOFTWARE OPTIONS

OPA0049	CV Core xMachining(S2M) Module	2.470 €
	<p>xMachining module is a CAM module that allows designs to be converted into G codes and prepared for machining. It enables integrated production by sending a single design to different types of machines. It is a very advanced and flexible software that can prepare cutting data in a wide range of frames such as Module CNC Machining Center, CNC Router, CNC Drilling Machine, edge banding machine, beam saw machines, plotter and manual drilling machine. The module brings advanced features such as custom tool path assignment, tool path optimization.</p>	
OPA0050	CV Core xMachining(S2M) Module 3rd Party CAD Package	1.235 €
	<p>The package is an additional package of the xMachining module that enables cutting lists from 3rd party CAD software and DXF files. It is used in cases where data transfer from a different program is required in designs.</p>	
OPA0051	CV Core xMachining(S2M) Module 3rd Party CAM Package	1.235 €
	<p>The package is an additional package of the xMachining module that allows to output the cut list as DXF file for use in 3rd party CAM software. It is used in cases where data transfer to different programs is required in designs.</p>	
OPA0052	CV Core xMachining(S2M) Module Sliding Table Package	1.235 €
	<p>Package is an additional package of the xMachining module used to create cutting lists for sliding table and other types of machines used for manual cutting.</p>	
OPA0053	CV Core xMachining(S2M) Module Drill and Dowel Package	3.530 €
	<p>Package is an additional package of the xMachining module for creating cut lists on manual drilling machine and dowel machines.</p>	
OPA0054	CV Core xMachining(S2M) Module Labelling Package	1.770 €
	<p>Package is the subpackage of the xMachining module used to print labels. Label IT technology allows the CNC operator to produce labels for parts on the program and print them with the help of a screen and printer. This program offers an ideal solution for nesting-based production.</p>	
OPA0055	CV Core xMachining(S2M) Module Material Handling Package	3.530 €
	<p>xPackage is a sub-package that provides the data flow required for the xMachining module to work integrated with automatic storage systems. It provides integration in the processing of the material from the storage system.</p>	
OPA0056	CV Core xMachining(S2M) Module PTP and Boring Mac.Pack.	1.235 €
	<p>xMachining module is a CAM module that allows designs to be Pack- age is a sub-package of the xMachining module used to generate cutting data for Point to Point(Console Table) machines and Boring machines.</p>	



# SOFTWARE OPTIONS

OPA0057	CV Core xMachining(S2M) Module CNC Router Package	1.235 €
	Package is a sub-package of the xMachining module used to generate cutting data for CNC Routers.	
OPA0058	CV Core xMachining(S2M) Module Beam Saw Package	1.235 €
	Package is a sub-package of the xMachining module used to generate cutting data for Beam Saw machines.	
OPA0059	CV Core xMachining(S2M) Module Parts List Export Package	1.235 €
	Package is a subpackage for the xMachining module to output as a cut file, custom cut file or PNL.	
OPA0060	CV Core xMachining(S2M) Module Simulation Package	705 €
	Package is a sub module of the xMachining module that shows the cutting simulation of the parts to be cut. With the simulation feature, you can see the errors and minimize the time and material losses.	
OPA0061	CV Core xMachining(S2M) Module Special Machine Package	1.235 €
	Package is a sub-package of the xMachining module used to generate cutting data for special machines. es.	



# SAFETY SYSTEM OPTIONS

OPA0100	Safety Mats (4 Pcs) <b>1x1,5mt dimensions(4 Pcs)</b> , adoptable maximum power 60 kg/cm <sup>2</sup> , IP65 Protection degree, 10mm maximum thickness	3.460 €
OPA0101	Safety Mats (5 Pcs) <b>1x1,5mt dimensions(5 Pcs)</b> , adoptable maximum power 60 kg/cm <sup>2</sup> , IP65 Protection degree, 10mm maximum thickness	4.325 €
OPA0103	Safety Mats (6 Pcs) <b>1x1,5mt dimensions(6 Pcs)</b> , adoptable maximum power 60 kg/cm <sup>2</sup> , IP65 Protection degree, 10mm maximum thickness	5.190 €
OPA0102	Safety Lights (Set) <b>Safety lights set</b> ; absorbing 0.4 mA maximum, activation time >30ms, protection degree IP65	1.950 €
OPA0104	Safety Fence <b>Safety Fence - 1000x1750mm</b> dimensions per piece, thickness 4mm	155 €
OPA0106	Bumper System The system provides maximum operator safety by preventing unauthorized access to the machine work area. The unit is used instead of light barrier or safety mats to gain working space. With this option, machine operating speeds are reduced to 25m / min according to CE regulations. When used with the light barrier or safety mat options, the machine can be operated at its original speed, instead of its current speed of 25m / min.	4.100 €
OPA0108	Safety Area Scanner System The system provides maximum operator safety by preventing unauthorized access to the machine work area. The system protects the area by area scanner laser device.	6.200 €



## OTHER ACCESSORIES

OPA0500

30kva UPS Unit

4.640 €



**30kva UPS power**, auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m

OPA0501

40kva UPS Unit

5.870 €

**40kva UPS power**, auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m

OPA0502

60kva UPS Unit

11.260 €

**60kva UPS power**, auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m

OPA0503

80kva UPS Unit

13.230 €

**80kva UPS power**, auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m

OPA0521

30kva Regulator Unit

1.385 €



**30kva servo regulator**, output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC

OPA0522

45kva Regulator Unit

1.850 €

**45kva servo regulator**, output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC

OPA0523

60kva Regulator Unit

2.470 €

**60kva servo regulator**, output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC

OPA0526

80kva Regulator Unit

3.280 €

**80kva servo regulator**, output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC



## OTHER ACCESSORIES

OPA0508	30kva Transformer (380-220VAC)	655 €
	<b>30kva transformer, 220/60HZ/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0509	30kva Transformer (380-400/415VAC)	680 €
	<b>30kva transformer, 415/400/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type.</b>	
OPA0510	30kva Multitap Transformer (Multitap)	2.570 €
	<b>30kva multitap transformer, N-208-230-480VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0511	40kva Transformer (380-220VAC)	710 €
	<b>40kva transformer, 220/60HZ/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0512	40kva Transformer (380-400/415VAC)	710 €
	<b>40kva transformer, 415/400/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0513	40kva Multitap Transformer (Multitap)	2.785 €
	<b>40kva multitap transformer, N-208-230-480VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0514	50kva Transformer (380-220VAC)	790 €
	<b>50kva transformer, 220/60HZ/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0515	50kva Transformer (380-400/415VAC)	815 €
	<b>50kva transformer, 415/400/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0516	50kva Multitap Transformer (Multitap)	3.050 €
	<b>50kva multitap transformer, N-208-230-480VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0517	60kva Transformer (380-220VAC)	920 €
	<b>60kva transformer, 220/60HZ/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0518	60kva Transformer (380-400/415VAC)	970 €
	<b>60kva transformer, 415/400/380VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	
OPA0519	60kva Multitap Transformer (Multitap)	3.675 €
	<b>60kva multitap transformer, N-208-230-480VAC, 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type</b>	





## OTHER ACCESSORIES

OPA0503

Air Compressor + Dryer (500m<sup>3</sup>/h)

3.255 €

500m<sup>3</sup>/h air compressor with dryer, 5,5kW | 7.5 HP motor power.



OPA0504

Chiller Unit for Liquid Cooling

3.250 €

This unit has been used for cooling Spindle motor and Boring unit which has liquid cooling options.

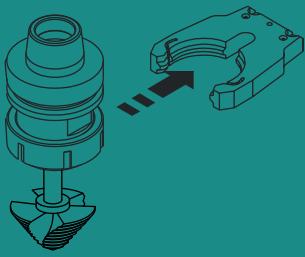


OPM601800

Electrical Panel Cooling Unit

2.060 €

Electric Panel cooling unit is used to balance the temperature in the machine electrical panel. With the help of the unit, the temperature inside the panel is kept stable and the machine works longer and more efficiently. The unit works with a capacity of 850W



# TOOL KITS & COLLETS & HOLDERS

## OPA0701 Nesting / Sizing Starter Kit(Leitz)

1.160 €



<b>91265</b>	DIA Routing	; Ø12; Length 70 ; Cutting Length 22 ; For Sizing ; Z1+1	1 pcs	<b>235 €</b>
<b>42932</b>	Razor Routing	; Ø30; Length 90 ; Cutting Length 15 ; Writing Tool ; Z1	1 pcs	<b>185 €</b>
<b>41551</b>	Razor Routing	; Ø80; Length 90 ; Cutt. Length 12 ; For table cleaning; Z1	1 pcs	<b>370 €</b>
<b>FFD4001</b>	DIA Routing	; Ø9 ; Length 90 ; Cutting Length 18 ; Z2 ; R2+For Sizing	1 pcs	<b>370 €</b>

## OPA0702 Furninute Applications Starter Kit(Leitz)

1.159 €

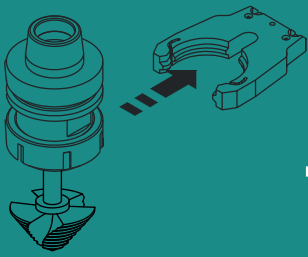


<b>33440</b>	Half Drill Bit ; Ø5	; Length 70 ; Left Rotation	2 pcs	<b>32 €</b>
<b>33441</b>	Half Drill Bit ; Ø5	; Length 70 ; Left Rotation	2 pcs	<b>32 €</b>
<b>33446</b>	Half Drill Bit ; Ø8	; Length 70 ; Left Rotation	1 pcs	<b>17 €</b>
<b>33447</b>	Half Drill Bit ; Ø8	; Length 70 ; Right Rotation	1 pcs	<b>17 €</b>
<b>33448</b>	Half Drill Bit ; Ø10	; Length 70 ; Left Rotation	1 pcs	<b>19 €</b>
<b>33449</b>	Half Drill Bit ; Ø10	; Length 70 ; Right Rotation	1 pcs	<b>19 €</b>
<b>34074</b>	Sharp Drill Bit ; Ø5	; Length 70 ; Left Rotation	1 pcs	<b>25 €</b>
<b>34075</b>	Sharp Drill Bit ; Ø5	; Length 70 ; Right Rotation	1 pcs	<b>25 €</b>
<b>34076</b>	Sharp Drill Bit ; Ø8	; Length 70 ; Left Rotation	1 pcs	<b>30 €</b>
<b>34077</b>	Sharp Drill Bit ; Ø8	; Length 70 ; Right Rotation	1 pcs	<b>30 €</b>
<b>34663</b>	Half Drill Bit ; Ø15	; Length 70 ; Left Rotation	1 pcs	<b>50 €</b>
<b>34664</b>	Half Drill Bit ; Ø15	; Length 70 ; Right Rotation	1 pcs	<b>50 €</b>
<b>34814</b>	Half Drill Bit ; Ø20	; Length 70 ; Left Rotation	1 pcs	<b>75 €</b>
<b>34815</b>	Half Drill Bit ; Ø20	; Length 70 ; Right Rotation	1 pcs	<b>75 €</b>
<b>34816</b>	Half Drill Bit ; Ø25	; Length 70 ; Left Rotation	1 pcs	<b>90 €</b>
<b>34817</b>	Half Drill Bit ; Ø25	; Length 70 ; Right Rotation	1 pcs	<b>90 €</b>
<b>34671</b>	Half Drill Bit ; Ø35	; Length 70 ; Left Rotation	1 pcs	<b>60 €</b>
<b>34672</b>	Half Drill Bit ; Ø35	; Length 70 ; Right Rotation	1 pcs	<b>60 €</b>
<b>41961</b>	HM Router ; Ø9 ; Length 70 ; Cut. Length 18 ; Z2 ; For		1 pcs	<b>98 €</b>
<b>91265</b>	Backboard DIA Router	; Ø12; Length 70 ; Cut. Length 22 ; For Sizing	1 pcs	<b>265 €</b>

## OPA0706 Tools Holders / Collets Kit



<b>WF224</b>	HSK F63 ER40 Tool Holder		1 pcs	<b>79 €</b>
<b>99942D</b>	ER40 Series / ø10mm Collet		1 pcs	<b>12,6 €</b>
<b>99944F</b>	ER40 Series / ø12mm Collet		1 pcs	<b>12,6 €</b>
<b>99946H</b>	ER40 Series / ø14mm Collet		1 pcs	<b>12,6 €</b>
<b>99948M</b>	ER40 Series / ø16mm Collet		1 pcs	<b>12,6 €</b>
<b>99950P</b>	ER40 Series / ø18mm Collet		1 pcs	<b>12,6 €</b>
<b>99952R</b>	ER40 Series / ø20mm Collet		1 pcs	<b>12,6 €</b>



# TOOL KITS & COLLETS & HOLDERS

## OPA0735 Furniture Applications Basic Kit(AES by ITA Tools)

671 €

WN1.050.035.070.00R	Half Drill Bit; Ø5;	Length 70;	Right Rotation	2 pcs	16 €
WN1.050.035.070.00L	Half Drill Bit; Ø5;	Length 70;	Left Rotation	2 pcs	16 €
WN1.080.035.070.00R	Half Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	9 €
WN1.080.035.070.00L	Half Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	9 €
WN1.100.035.070.00R	Half Drill Bit; Ø10;	Length 70;	Right Rotation	1 pcs	10 €
WN1.100.035.070.00L	Half Drill Bit; Ø10;	Length 70;	Left Rotation	1 pcs	10 €
WP1.050.035.070.00R	Sharp Drill Bit; Ø5;	Length 70;	Right Rotation	1 pcs	12 €
WP1.050.035.070.00L	Sharp Drill Bit; Ø5;	Length 70;	Left Rotation	1 pcs	12 €
WP1.080.035.070.00R	Sharp Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	15 €
WP1.080.035.070.00L	Sharp Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	15 €
WN2.080.027.057.00R	Half Drill Bit; Ø8;	Length 57;	Right Rotation	1 pcs	16 €
WN2.080.027.057.00L	Half Drill Bit; Ø8;	Length 57;	Left Rotation	1 pcs	16 €
WZ1.150.070.02R	Half Drill Bit; Ø15;	Length 70;	Right Rotation	1 pcs	25 €
WZ1.150.070.02L	Half Drill Bit; Ø15;	Length 70;	Left Rotation	1 pcs	25 €
WZ1.200.070.02R	Half Drill Bit; Ø20;	Length 70;	Right Rotation	1 pcs	35 €
WZ1.200.070.02L	Half Drill Bit; Ø20;	Length 70;	Left Rotation	1 pcs	35 €
WZ1.250.070.02R	Half Drill Bit; Ø25;	Length 70;	Right Rotation	1 pcs	45 €
WZ1.250.070.02L	Half Drill Bit; Ø25;	Length 70;	Left Rotation	1 pcs	45 €
WZ1.350.070.02R	Half Drill Bit; Ø35;	Length 70;	Right Rotation	1 pcs	30 €
WZ1.350.070.02L	Half Drill Bit; Ø35;	Length 70;	Left Rotation	1 pcs	30 €
912.09.018.070.10R	HM Router; Ø9;	Length 70;	Cut. Length 18; Z2; For Backboard	1 pcs	65 €
DTA.12.025.12.0SSRA	HM Router; Ø12;	Length 70;	Cut. Length 22; For Sizing ; Z1+1	1 pcs	85 €
PDA.120035030.002	Saw Blade for CNC		HM:120x4x35; WZ/FZ; Z35	1 pcs	95 €

## OPA0736 Furniture Applications Advanced Kit(AES by ITA Tools)

751 €

WN1.050.035.070.00R	Half Drill Bit; Ø5;	Length 70;	Right Rotation	2 pcs	16 €
WN1.050.035.070.00L	Half Drill Bit; Ø5 ;	Length 70;	Left Rotation	2 pcs	16 €
WN1.080.035.070.00R	Half Drill Bit; Ø8 ;	Length 70;	Right Rotation	1 pcs	9 €
WN1.080.035.070.00L	Half Drill Bit; Ø8 ;	Length 70;	Left Rotation	1 pcs	9 €
WN1.100.035.070.00R	Half Drill Bit; Ø10;	Length 70;	Right Rotation	1 pcs	10 €
WN1.100.035.070.00L	Half Drill Bit; Ø10;	Length 70;	Left Rotation	1 pcs	10 €
WP1.050.035.070.00R	Sharp Drill Bit; Ø5;	Length 70;	Right Rotation	1 pcs	12 €
WP1.050.035.070.00L	Sharp Drill Bit; Ø5;	Length 70;	Left Rotation	1 pcs	12 €
WP1.080.035.070.00R	Sharp Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	15 €
WP1.080.035.070.00L	Sharp Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	15 €
WN2.080.027.057.00R	Half Drill Bit; Ø8;	Length 57;	Right Rotation	1 pcs	16 €
WN2.080.027.057.00L	Half Drill Bit; Ø8;	Length 57;	Left Rotation	1 pcs	16 €
WZ1.150.070.02R	Half Drill Bit; Ø15;	Length 70;	Right Rotation	1 pcs	25 €
WZ1.150.070.02L	Half Drill Bit; Ø15;	Length 70;	Left Rotation	1 pcs	25 €
WZ1.200.070.02R	Half Drill Bit; Ø20;	Length 70;	Right Rotation	1 pcs	35 €
WZ1.200.070.02L	Half Drill Bit; Ø20;	Length 70;	Left Rotation	1 pcs	35 €
WZ1.250.070.02R	Half Drill Bit; Ø25;	Length 70;	Right Rotation	1 pcs	45 €
WZ1.250.070.02L	Half Drill Bit; Ø25;	Length 70;	Left Rotation	1 pcs	45 €
WZ1.350.070.02R	Half Drill Bit; Ø35;	Length 70;	Right Rotation	1 pcs	30 €
WZ1.350.070.02L	Half Drill Bit; Ø35;	Length 70;	Left Rotation	1 pcs	30 €
912.09.018.070.10R	HM Router; Ø9;	Length 70;	Cut. Length 18; Z2; For Backboard	1 pcs	65 €
DTA.12.025.12.0SSRA	DIA Router; Ø12;	Length 70;	Cut. Length 22; For Sizing; Z1+1	1 pcs	165 €
PDA.120035030.002	Saw Blade for CNC		HM:120x4x35; WZ/FZ; Z35	1 pcs	95 €