

atech[®]
far beyond tomorrow

ALUMINIUM
WORKING MACHINERY



ATECH.COM.TR

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4 AXIS, CNC CONTROLLED MACHINING CENTER

ALUPRO - 441



» An enclosed cabin machine specifically designed for milling, drilling, tapping and end milling operations of Aluminium, PVC and light alloy extrusions. It is a 4 axes CNC controlled machining center. It works with the universal programming language Standard ISO 'G' code.

Thanks to mechanically precise special equipment used with the machine the spindle motor rotates 180° around the extrusion, which enables machining at any angle. As an option it is possible to machine at 230° at required angles. It is equipped with 8 tool magazines.

Furthermore, thanks to the Ø200 mm (max.) diameter end mill cutter it is capable of flexible machining of any extrusions. It is capable of machining 3 surfaces of a 300x300 mm extrusion. The machining center is equipped with two robust pneumatic stops. Machining of an extrusion is possible in a single process for 4050 mm length. It can also machine extrusions longer than the machining length thanks to the dual stops. It is capable of machining 2 different extrusions simultaneously due to its dual station feature.

The machine has the feature of automatic clamp scanning and clamp positioning. It comes with 4 clamps as standard. Optionally it can be equipped with 6 clamps. Thanks to the professional clamp design the clamp does not hold back chips, and reduces the machining time to minimum due to the ergonomic feature resulting in productivity.

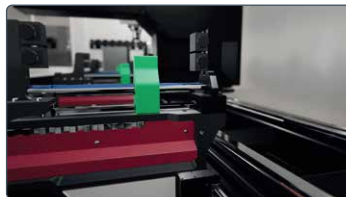


4 AXIS, CNC CONTROLLED MACHINING CENTER

ALUPRO - 441



» General Features

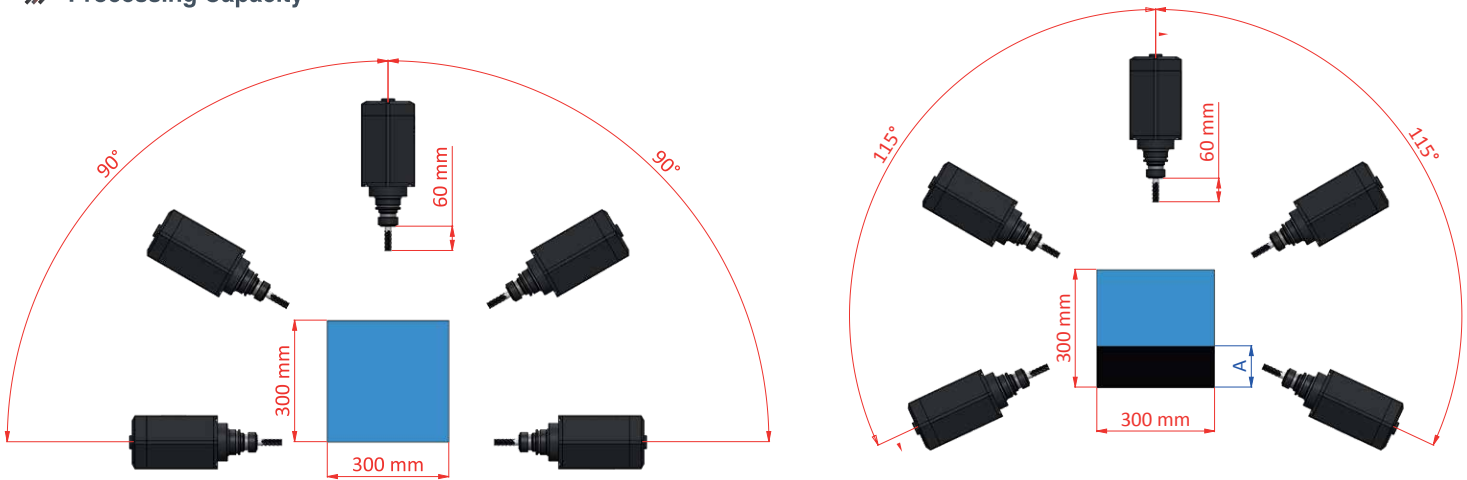


- Designed for operations such as drilling of any type of holes, grooving, milling out of corners, end milling via saw blade, tapping etc. on three surfaces of extrusions.
- The double station working feature enables machining of two workpieces with a single program.
- Automation system providing CNC motion on 4 axes.
- Magazine unit with 8 tools, incl. cutting tools and a 200 mm diameter saw blade.
- Automatic clamp recognition and positioning feature
- Enclosed machine cabin
- PLC controlled dual set of pulverized cooling unit, which can work independently from each other.
- 4 automatic clamps used to catch the workpiece (number of clamps can be increased as an option)
- 2 robust pneumatic stop units used as stops in X direction for the workpiece.
- 21" Windows based Touchscreen industrial PC.
- External program transfer via WiFi, Ethernet and USB memory.
- Technical support via remote access.
- Standard ISO 'G' code programming language.
- Central automatic lubrication system of the X, Y and Z axes.
- LED illumination of the inner cabin.

4 AXIS, CNC CONTROLLED MACHINING CENTER

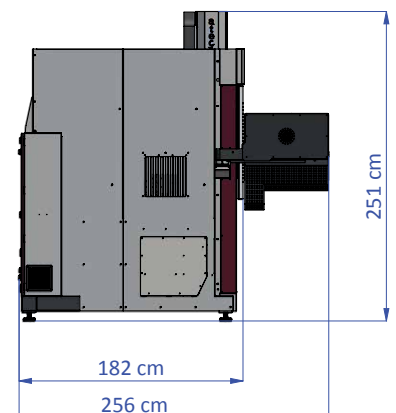
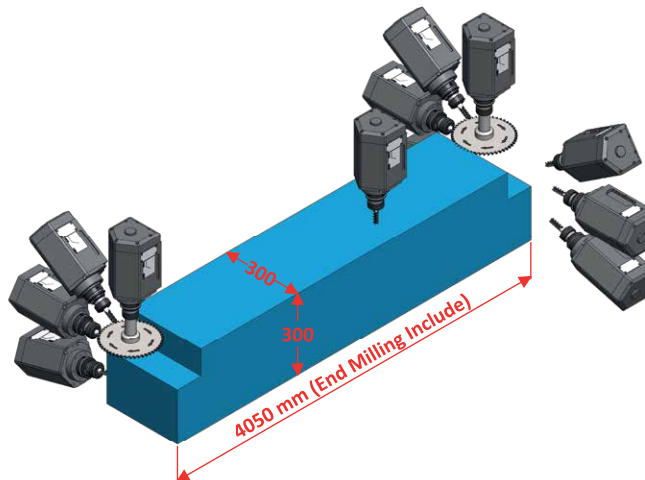
ALUPRO - 441

» Processing Capacity



A : It is the dimension that cannot be processed on the profile at angles over 90°.

Please ask for machining dimensions by providing tool diameter, length and angle information.



4 AXIS, CNC CONTROLLED MACHINING CENTER

ALUPRO - 441

»» AXIS SPEEDS

Standard



Optional



• X Axis	120 m/min
• Y Axis	60 m/min
• Z Axis	25 m/min
• A Axis	5400°/min

»» SPINDLE MOTOR

• Power (S1)	7,5 Kw
• Maximum RPM	20.000 rpm
• Tool Holder Taper	HSK - F63
• Motor Liquid Cooling	

»» TOOL

• Tool Change	Automatic
• Number of tool holders	3
• Number Of Magazines	8
• Maximum Tool Diameter	Ø20 mm
• Maximum Tool Clamping Length	150 mm
• Maximum Saw Diameter	200 mm
• Available Machine Taps	M3 - M14
• PLC Controlled 2-Output Tool Cooling Unit	

»» WORKPIECE CONNECTION

• Standard Clamp Quantity	4
• Automatic Clamp Positioning	
• Reference Stand Quantity	2

»» CONTROL UNIT

• 21" Windows Based Industrial PC	
• Data Transfer via WiFi Ethernet and USB	
• Ability to Provide Technical Support with Remote Connection	
• CAM Program	

»» ADDITIONAL FEATURES

• Conveyor PVC Belt	
• Guide Pulling Feature and Tool	
• Automatic Tool Measuring Probe	
• End Milling Kit	
• Additional Tool Holder	
• -25° and +25° Processing Option	
• Right Support + Dual Station Operation Feature	
• Automatic Sub-surface Machining Programming	
• +2 Pieces of Clamps	
• CAD-EXTRACT Software Program	
• Wireless Bar-Code Reader	
• Movable Profile Measuring System	

»» OTHER

• Air Consumption	230 Lt/min.
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4 AXIS, CNC CONTROLLED COPY ROUTER

LIBRA - PRO



» General Features

Copy routing of any kind of standard as well as custom shapes onto all four surfaces of aluminum and PVC extrusions without the necessity of a physical copy template thanks to the rotating capability of the extrusion clamping platform utilizing a CAM program.

- 2.6 kW, 12,000 rpm Spindle motor
- Fabricating at any angle, incl. any intermediate angles.
- 3D simulation machine interface.
- CAM program, which can be programmed and edited within itself.
- User friendly integrated CAM and machine interface.
- 10" Windows based Touchscreen industrial PC.
- Resistant and rigid machine body.



4 AXIS, CNC CONTROLLED COPY ROUTER

LIBRA - PRO

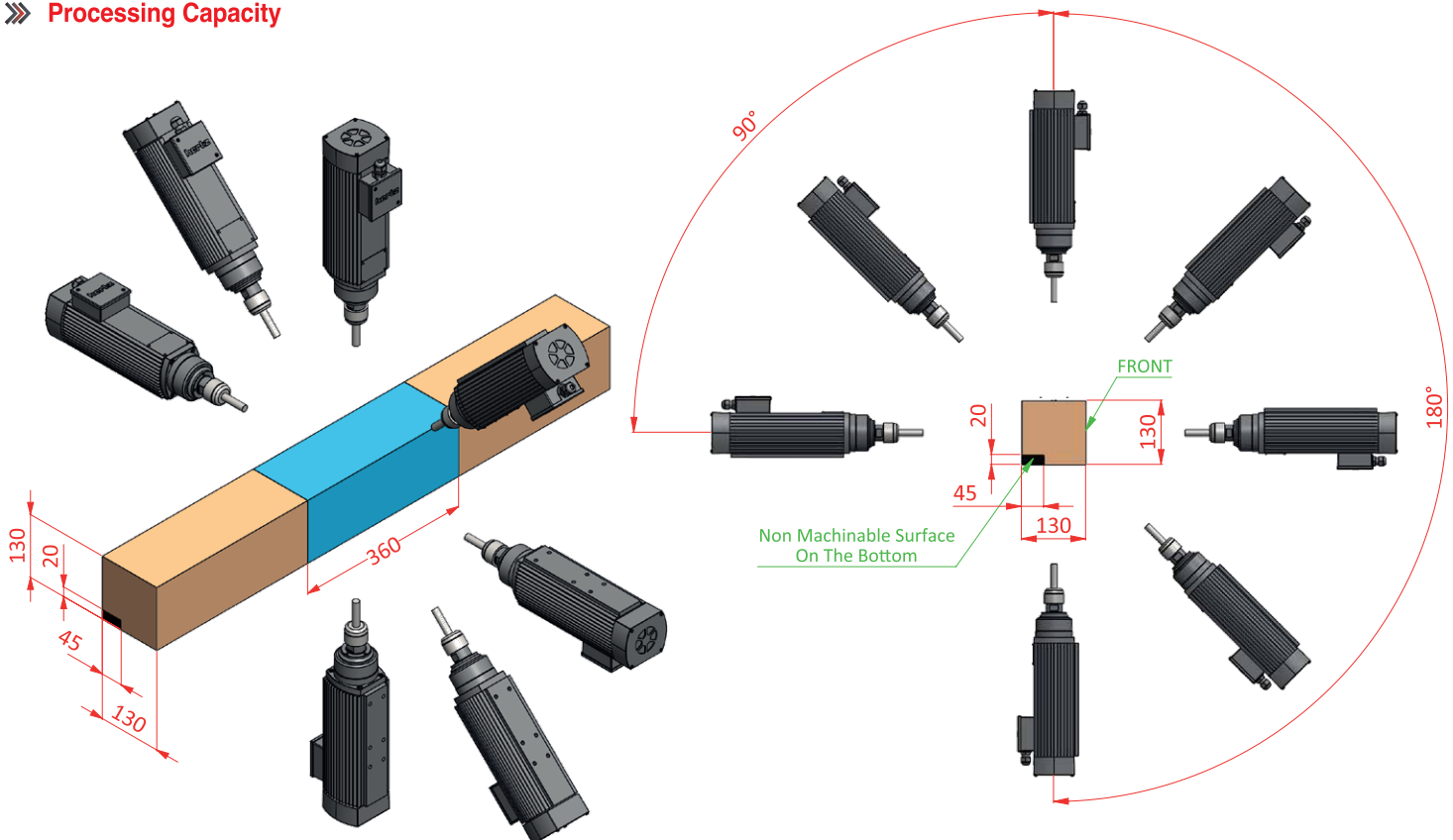
✓ Standard

- Ø8 mm x L= 120 mm routing set
- Data transfer via Wifi and USB
- Technical Support with Remote Connection
- CAM Programe
- 2 horizontal clamps
- 2 vertical clamps
- Right and left extrusion stops
- Spray mist tool cooling system
- Air blow gun

○ Optional

- Additional clamps
- Clamp fixture for special extrusions
- Special router bit up to 13 mm
- Ability to work at intermediate angles

» Processing Capacity



» Technical Table

Servo kW	Spindle kW	Power	Capacity	Bar	Air Cons.	Packing Size	Machine Size	Kg
4x0.75 kW	1x2,6 kW	12000 RPM	x: 360 mm y: 130 mm z: 130 mm	6-8 Bar	55lt/min	182x172x223cm	448x161x233cm	800

FULL AUTOMATIC DOUBLE HEAD MITER SAW Ø 550 MM

ZIGMA - 550FA



» General Features

- Cutting of aluminum, PVC extrusions in the desired length and at the required angle
- 15" Windows based Touchscreen industrial PC
- The saw head angles and motions can be precisely set via servo motor
- Angles between -22.5° and $+45^\circ$ can be adjusted automatically via servo motor
- The hydro-pneumatic cutting unit enables to adjust the cutting speed, precision and saw blade forward stroke
- Closed bottom surface frame and manifolds for chip removal
- Capable of cutting extrusions longer than the cutting length capacity
- Programmable for slicing, angle slicing, parts cutting list etc.



FULL AUTOMATIC DOUBLE HEAD MITER SAW Ø 550 MM

ZIGMA - 550FA

✓ Standard

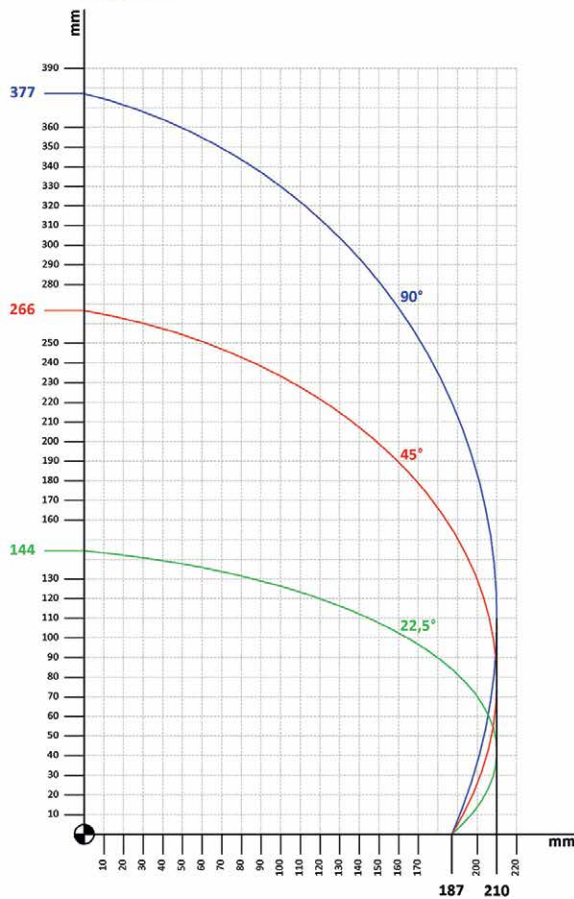
○ Optional

- 2 pcs. Ø550 mm saw blades
- 4 pcs. horizontal clamps
- 2 pcs. fixed conveyors
- 2 pcs. automatic extrusion support units
- Air blow gun

- Printer
- Conveyor on fixed saw head
- 2 pcs. Vertical clamps.
- Slicing equipment
- 4 kW Electric motor

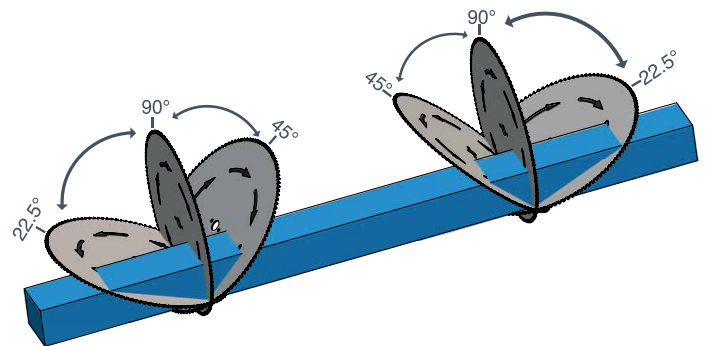
» Cutting Diagram

Zigma FA-550



» Cutting Length

- 90° min.: 390 mm max.: 5050 mm
- 45° min.: 595 mm max.: 5050 mm



» Technical Table

Servo kW	Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
3 x 0.75 kW	2 x 3,0 kW	D = 550 mm d = 30-32 mm	2500 RPM	6-8 Bar	100 lt/min	W x L x H (cm) 595x170x200cm	W x L x H (cm) 713x195x192cm	1800

AUTOMATIC DOUBLE HEAD MITER SAW Ø450 MM / 18"

ZIGMA - 450AU



» General Features

- Designed for straight and miter cut of aluminum and vinyl profiles at any desired length
- Both heads tilt to 45° and 90° angles automatically. Intermediate angle degrees can be adjusted manually
- The operator control panel is touch screen
- The cutting unit is hydro-pneumatic and the cutting speed can be adjusted precisely according to the material to cut
- Equipped with features of slicing, entering part quantity and programming
- Able to cut longer than the stroke
- Strong machine body
- Linear movement of the head is provided by rail + car
- Movement head with servo motor
- Chip discharge manifold
- Data transfer with USB



AUTOMATIC DOUBLE HEAD MITER SAW Ø450 MM / 18"

ZIGMA - 450AU

✓ Standard

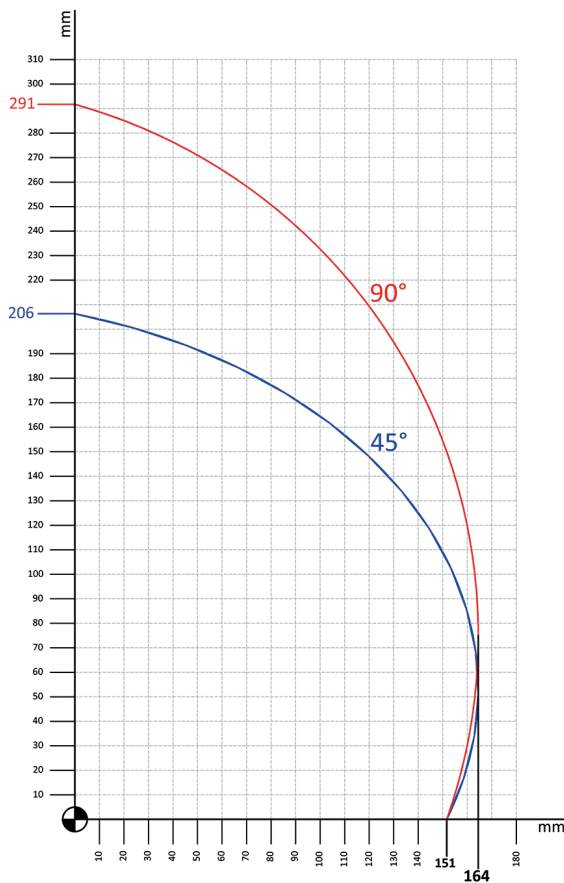
- 2 pcs. 450 mm saw blades
- 2x2 pes. front clamps
- Air blow gun
- Additional conveyor on the movable unit
- Profile support device

○ Optional

- Spray mist lubrication system
- Chip collector manifold
- 3 kW Electric motor

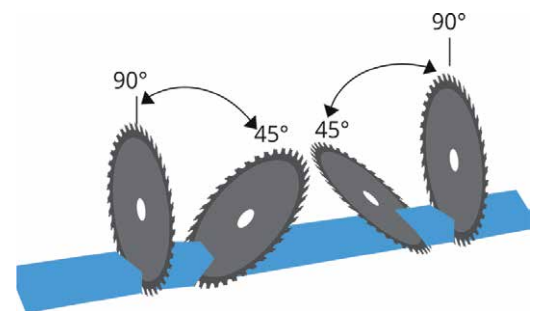
» Cutting Diagram

Zigma Ø450 mm



» Cutting Length

- 90° min.: 350 mm max.: 4060 mm
- 45° min.: 480 mm max.: 4060 mm



» Technical Table

Servo kW	Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
1x0,75 kW	2,2 kW / 3HP / 400V 50 / 60 Hz	D = 450 mm d = 30-32 mm	3000 RPM	6-8 Bar	100 lt/min	W x L x H (cm) 528x140x200cm	W x L x H (cm) 651x175x184cm	1350

AUTOMATIC STRAIGHT UPCUT SAW WITH AUTO FEEDING Ø500 MM / 20"

**CRATER
AP500**



» General Features

- Fully automatic straight upcut saw designed to cut aluminum and non-ferrous metals fast and precise. Cutting in bulk or single piece at 90 ° angle
- Double Servo motor control system enables cutting by entering data such as cutting length, cutting height, cutting speed on the screen
- The movable table profile does not leave marks on the saw-cut surfaces thanks to its pushing feature from below and from the opposite side
- Fast and smooth operation thanks to user friendly screen interface
- Max. 600 mm profile length can be fed per cycle. Precise cutting at any length thanks to repeat infeed
- Min. cutting length is 5 mm
- Standard berthing distance : 175 mm
- Min. berthing distance : 110 mm* (ask)
- Idle Material Infeed Speed: 10,000 mm/min.
- Idle Material Cutting Speed: 10,000 mm/min.
- Thanks to save feature you can generate multiple cut lists where you can enter data such as pieces, bulk quantity, cut speed, height
- 7 "High resolution touch screen
- Thanks to its special manifold system it is easy to transfer chips out of the saw even if there is no chip collector involved
- Saw blade lubrication system where the spray amount can be adjusted on the screen
- Sensibility : $\pm 0,2$ mm



AUTOMATIC STRAIGHT UPCUT SAW WITH AUTO FEEDING Ø500 MM / 20"

CRATER AP500



✓ Standard

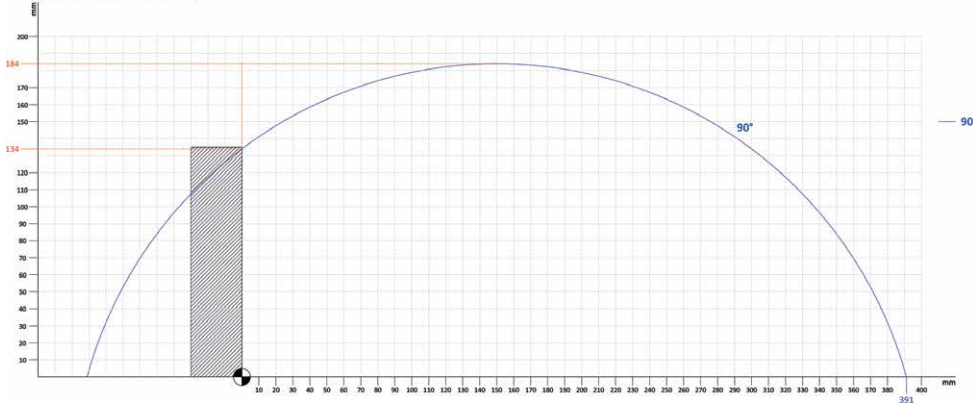
- 1 pc. Ø500 mm saw blade
- 3+3 pcs. pneumatic clamps
- KN-M3 conveyor (3 m)
- Bundle Cutting Kit
- Pneumatic spray mist lubrication system
- Screw shaft lubrication unit
- Air blow gun
- 2 pcs. chip collection manifolds
- Movable table, part lifting and reverse push features

○ Optional

- Automatically opening top guard
- Min.4 mm thick cutting feature
- A second saw blade can be installed in addition to the existing one, and a second operation performed on the material (Please contact us for optional features)

» Cutting Diagram

Crater - AP Ø500 mm



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
3 kW, 4 Hp 400 V, 50 / 60 Hz	D=500 mm d=30-32 mm	3000 RPM	6-8 Bar	50 lt/min	W x L x H (cm) 170x110x155cm	W x L x H (cm) 154x121x139cm	520

AUTOMATIC UPCUT MITER SAW Ø700/760 MM/ 28-30"

CRATER A-700/A-760



» General Features

- Strong machine body
- Greater cutting range than other manufacturers
- Two-hands safety system
- Cutting at standard angles and any intermediate angles
- More powerful chip vacuum system with one manifold
- Saw blade rising speed is hydro-pneumatically adjustable
- Interior LED lighting
- Miter lock angles at 75°,60°,45°,30°,22.5°,15°,0° both left and right
- Pivoting range from -75° left to +75° right infinitely adjustable



✓ Standard

- 1 pc. 700/760 mm saw blade
- 2 pcs. vertical clamps
- 1 pc. Horizontal clamps
- Air blow gun
- Spray mist lubrication system
- Automatic opening for upcover

○ Optional

- Conveyor
- 1 pc. Horizontal clamp
- Chip collector manifold

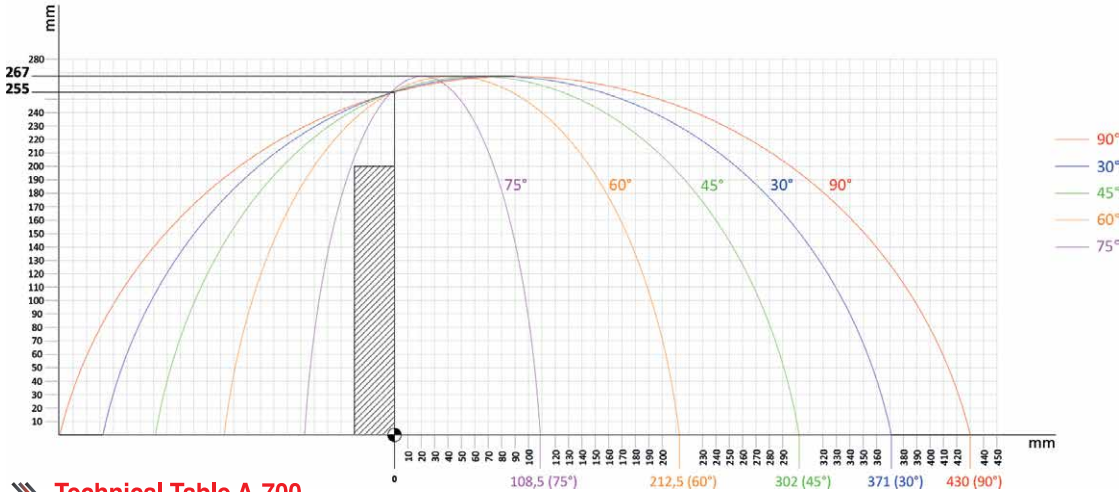


AUTOMATIC UPCUT MITER SAW Ø700/760 MM/ 28-30"

CRATER A-700/A-760

» Cutting Diagram - Ø700

Crater Ø700 mm

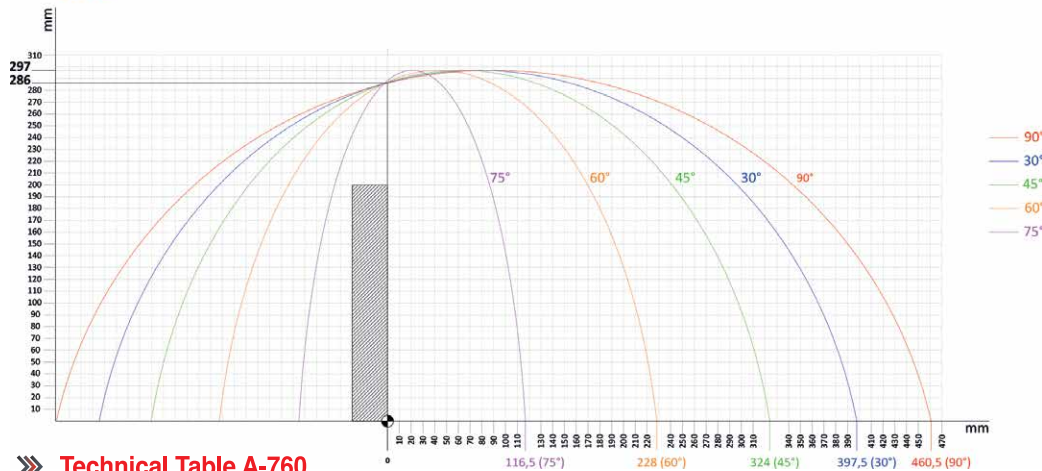


» Technical Table A-700

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
5.5 kW, 7,5 Hp 400 V 3 Phase, 50/60 Hz	D=700 mm d=38 mm	2000 RPM	6-8 Bar	140 lt/min	W x L x H (cm) 162x145x195cm	W x L x H (cm) 205x174x169cm	650

» Cutting Diagram - Ø760

Crater Ø760 mm



» Technical Table A-760

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
5.5 kW, 7,5 Hp 400 V 3 Phase, 50/60 Hz	D=700 mm d=38 mm	2000 RPM	6-8 Bar	150 lt/min	W x L x H (cm) 162x145x195cm	W x L x H (cm) 205x174x169cm	660

AUTOMATIC UPCUT MITER SAW Ø550 MM/ 22"

CRATER A-550



» General Features

- Strong machine body
- Twin-hands safety system
- Cutting at standard angles and any intermediate angles
- More powerful chip vacuum system with one manifold
- Saw blade rising speed is hydro-pneumatically adjustable
- Interior LED lighting
- Miter lock angles at 75°, 60°, 45°, 30°, 22.5°, 15°, 0° both left and right



AUTOMATIC UPCUT MITER SAW Ø550 MM/ 22"

CRATER A-550

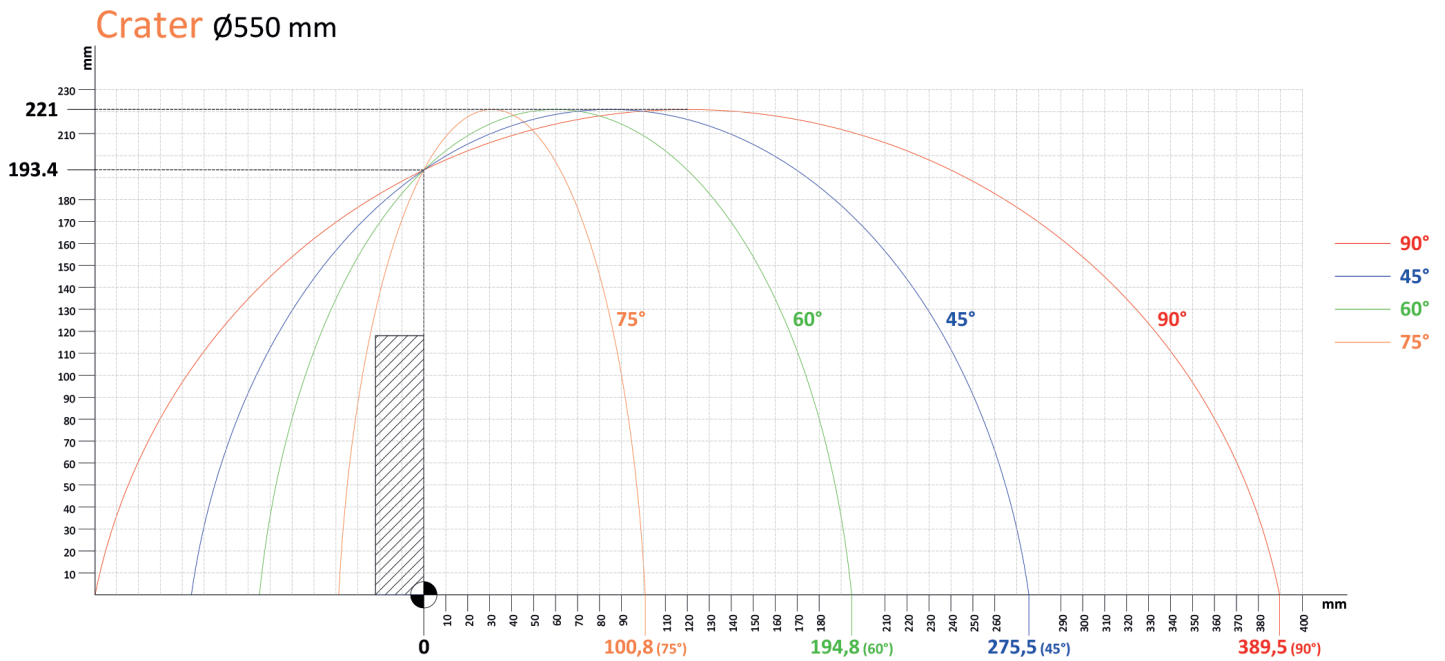
✓ Standard

○ Optional

- 1 pc. 550 mm saw blade
- 2 pcs. vertical clamps
- Air blow gun
- 1 pc. Horizontal clamp
- Spray mist lubrication system
- Automatic opening for upcover

- + 1 pc. Horizontal clamp
- Conveyor
- Chip collector manifold

» Cutting Diagram



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
4.0 kW, 5.5 HP 400 V, 50 / 60 Hz	D=550 mm d=30-32 mm	2500 RPM	6-8 Bar	30 lt/min	W x L x H (cm) 142x122x155cm	W x L x H (cm) 150x130x157cm	480

ALUMINIUM GLAZING BEAD SAW

CRATER-450BS

with Laser Meter+Bluetooth



» It is used for high precision and fast cutting of glazing beads used in aluminum windows, without wastage and in one go.

Thanks to Bluetooth technology, the measurements taken are transmitted remotely to the Servo and PC controlled conveyor. In this way, the operator is prevented from making mistakes and can send the bar to the desired cutting size with a single click.

Additionally, thanks to its programmable feature, a cutting list can be created. Data transfer can be provided via Wifi and USB. Thanks to the remote access feature, remote technical support can be provided.

» General Features

- Cutting prescription can be made
- Individual cutting with laser meter
- Creating a list with a laser meter
- Data transfer via WiFi and USB
- Two-hands safety system
- Miter movement
- Cutting at intermediate degrees
- Saw blade rising speed is hydro-pneumatic adjustable
- Equipped double hand safety feature
- Cutting at standard angles and any intermediate angles
- Split type straight cut on left 90 angle
- Technical service via remote connection



AUTOMATIC UPCUT MITER SAW Ø450 MM/ 18"

CRATER-450BS

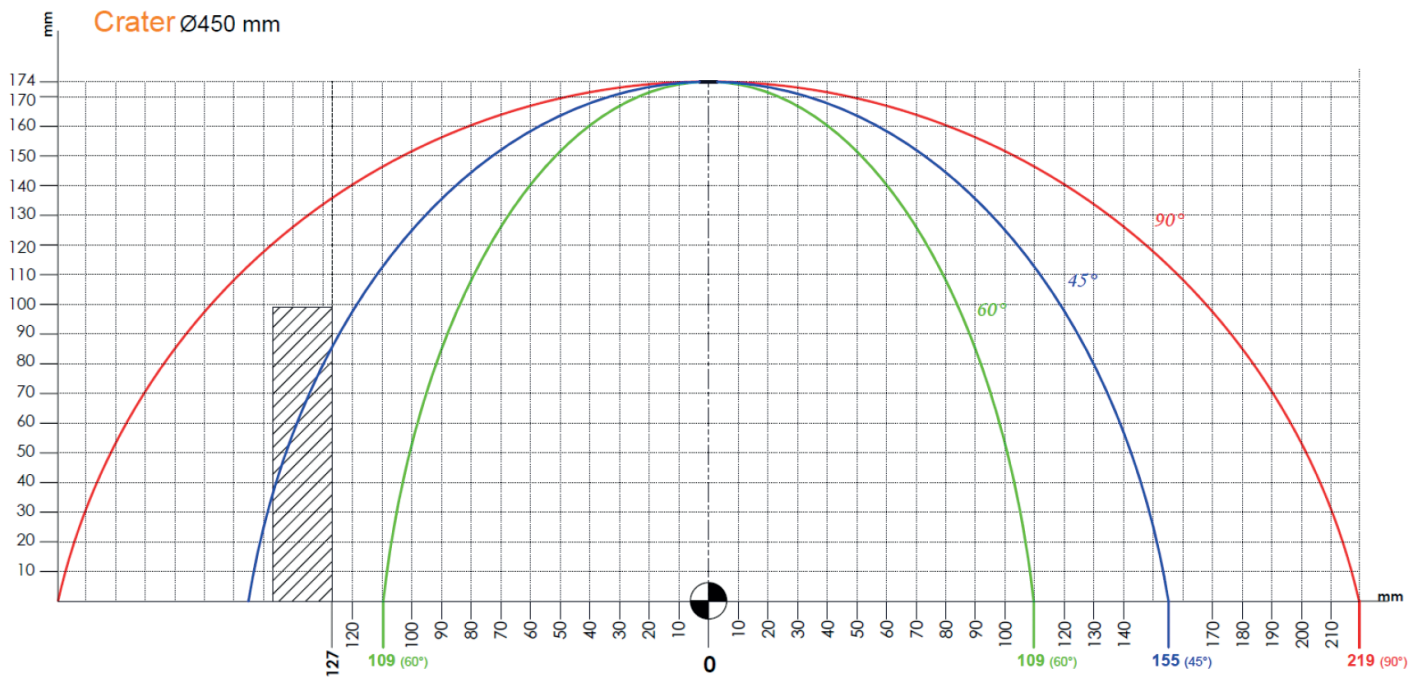
✓ Standard

- Bluetooth device
- 1 pc. 450 mm saw blade
- 2 pcs. vertical clamps
- Air blow gun
- Spray mist lubrication system
- Conveyor
- 1 pc., 3 meter KN-M3 conveyor for the left side
- Drive conveyor is 3 meter

○ Optional

- Horizontal clamps
- Chip collector manifold
- Foot pedal control system
- Automatic Up Guard
- Monofaze Motor
- Drive conveyor 6 meter

» Cutting Diagram



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 400 V - 230 V - 50 / 60 Hz	D=450 mm d=30-32 mm	3000 RPM	6-8 Bar	20 lt/min	W x L x H (cm) 90x106x154cm 316x53x59cm	W x L x H (cm) 80x96x138cm 300x66x153cm	244 115

AUTOMATIC UPCUT MITER SAW Ø450 MM/ 18"

CRATER A-450



» General Features

- Two-hands safety system
- Greater cutting range than other manufacturers
- 90° cut on the left
- Miter movement
- Cutting at intermediate degrees
- Saw blade rising speed is hydro-pneumatic adjustable
- Equipped double hand safety feature
- Cutting at standard angles and any intermediate angles
- Split type straight cut on left 90 angle



AUTOMATIC UPCUT MITER SAW Ø450 MM/ 18"

CRATER A-450

✓ Standard

- 1 pc. 450 mm saw blade
- 2 pcs. vertical pneumatic clamps
- Air blow gun
- Milling saw, tool holder and collets

○ Optional

- Conveyor
- Spray mist lubrication system
- Horizontal clamps
- Chip collector manifold
- Foot pedal control system
- Automatic Up Guard
- Monofaze Motor



» Cutting Diagram



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 400 V - 230 V - 50 / 60 Hz	D=450 mm d=30-32 mm	3000 RPM	6-8 Bar	20 lt/min	W x L x H (cm) 90x106x154cm	W x L x H (cm) 80x96x138cm	244

MANUAL UPCUT MITER SAW Ø450MM/ 18"

CRATER M-450/IL



» General Features

- Practical and easy manual lifting
- Greater cutting range than other manufacturers
- 90° degree cut on the left
- Miter movement
- Cutting at intermediate degrees
- Cutting at standard angles and any intermediate angles
- Split type straight cut on left 90°
- Higher and strong mitter body



MANUAL UPCUT MITER SAW Ø450MM/ 18"

CRATER M-450/IL

✓ Standard

- 1 pc. 450 mm saw blade
- 2 pcs. big vertical pneumatic clamps
- Three Phase motor

○ Optional

- Conveyor
- Spray mist lubrication system
- 1-Phase motor
- 2 pcs. Horizontal pneumatic clamps



» Cutting Diagram

Crater M-450/IL



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 400 - 230V, 50 / 60 Hz	D=450 mm d=30-32 mm	3000 RPM	6-8 Bar	20 lt/min	W x L x H (cm) 88x96x152cm	W x L x H (cm) 92x94x151cm	238

MANUAL UPCUT MITER SAW Ø450MM/ 18"

CRATER M-450



» General Features

- Practical and easy manual lifting
- Greater cutting range than other manufacturers
- 90° degree cut on the left
- Miter movement
- Cutting at intermediate degrees
- Cutting at standard angles and any intermediate angles
- Split type straight cut on left 90°



MANUAL UPCUT MITER SAW Ø450MM/ 18"

CRATER M-450

✓ Standard

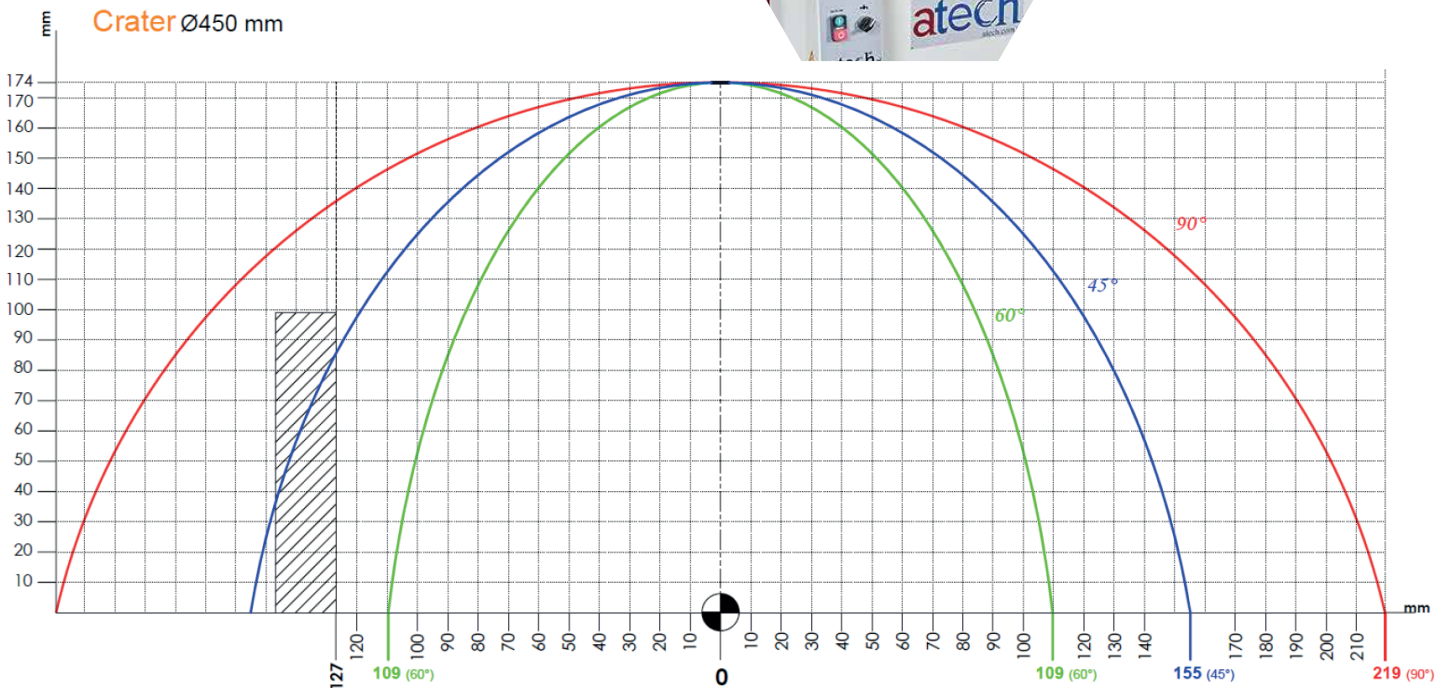
- 1 pc. 450 mm saw blade
- 2 pcs. Mechanic vertical clamps

○ Optional

- Conveyor
- Pneumatic clamps
- Spray mist lubrication system
- 1-Phase motor



» Cutting Diagram



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 230V - 400V - 50 / 60 Hz	D= 450 mm d=30/32 mm	3000 RPM	W x L x H (cm) 88x96x154cm	W x L x H (cm) 80x94x138cm	228

MANUAL MITER SAW Ø400 MM / 16"

SKAT - 3

» General Features

- Gas spring system
- Stopping system absorbing rear impacts
- Cutting at standard angles and any intermediate angles
- Easy grip ergonomic handle
- Custom designed fork+turntable connection system, which ensures set square accuracy
- Thermal protection switch
- User friendly clamps. Can be tilted to any direction, tightened with one move

✓ Standard

- 2 pcs. Pneumatic Clamps
- Air blow gun

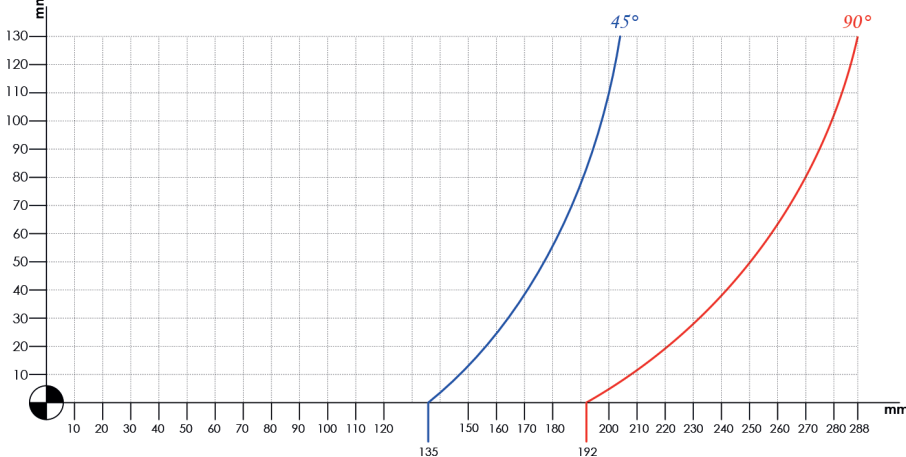
○ Optional

- Saw blade
- Single-phase motor
- Conveyor
- Mechanic spring system
- Vertical pneumatic clamps
- Spray mist lubrication system



» Cutting Diagram

Skat Ø400 mm



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 230V - 400V - 50 / 60 Hz	D=400 mm d=30-32 mm	3000 RPM	6-8 Bar	5 lt/min	W x L x H (cm) 80x70x158cm	W x L x H (cm) 68x90x163cm	115



PORTABLE MITER SAW Ø400 MM / 16"

SKAT - 1

» General Features

- Gas spring system
- Stopping system absorbing rear impacts
- Cutting at standard angles and any intermediate angles
- Easy grip ergonomic handle
- Custom designed fork+turntable connection system, which ensures set square accuracy
- Thermal protection switch
- User friendly clamps. Can be tilted to any direction, tightened with one move

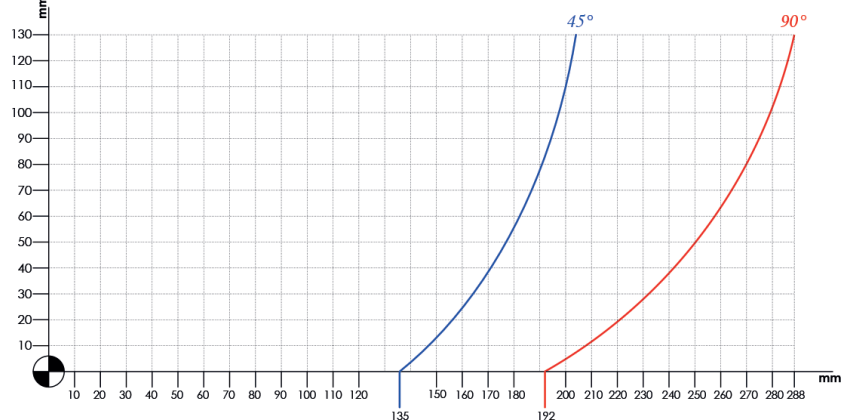


✓ Standard

- 2 pcs. mechanical clamps

» Cutting Diagram

Skat Ø400 mm



○ Optional

- Saw blade
- Single-phase motor
- Conveyor
- Mechanic spring system
- Base (SKAT-2)

» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 230V - 400V 50 / 60 Hz	D= 400 mm d=30/32 mm	3000 RPM	W x L x H (cm) 80x70x74cm	W x L x H (cm) 68x90x79cm	70





MANUAL MITER SAW Ø350 MM / 14"

PEGASUS - 3

» General Features

- Gas spring system
- Stopping system absorbing rear impacts
- Cutting at standard angles and any intermediate angles
- Easy grip ergonomic handle
- Custom designed fork+turntable connection system, which ensures set square accuracy
- Thermal protection switch
- User friendly clamps. Can be tilted to any direction, tightened with one move

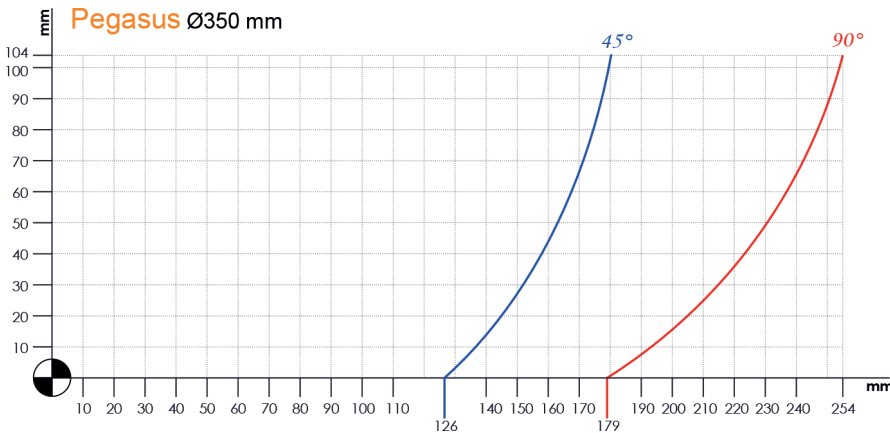
✓ Standard

- 2 pcs. Pneumatic Clamps
- Air gun









○ Opsiyonel

- Saw blade
- Single-phase motor
- Conveyor
- Mechanic spring system
- Vertical pneumatic clamps
- Spray mist lubrication system

» Cutting Diagram



» Technical Table

							
Cutting Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 230V - 400V 50 / 60 Hz	D=350 mm d=30-32 mm	3000 RPM	6-8 Bar	5 lt/min	W x L x H (cm) 80x70x158cm	W x L x H (cm) 68x86x161cm	115





MANUAL MITER SAW Ø350 MM / 14"

PEGASUS - 1

» General Features

- Gas spring system
- Stopping system absorbing rear impacts
- Cutting at standard angles and any intermediate angles
- Easy grip ergonomic handle
- Custom designed fork+turntable connection system, which ensures set square accuracy
- Thermal protection switch
- User friendly clamps. Can be tilted to any direction, tightened with one move

✓ Standard

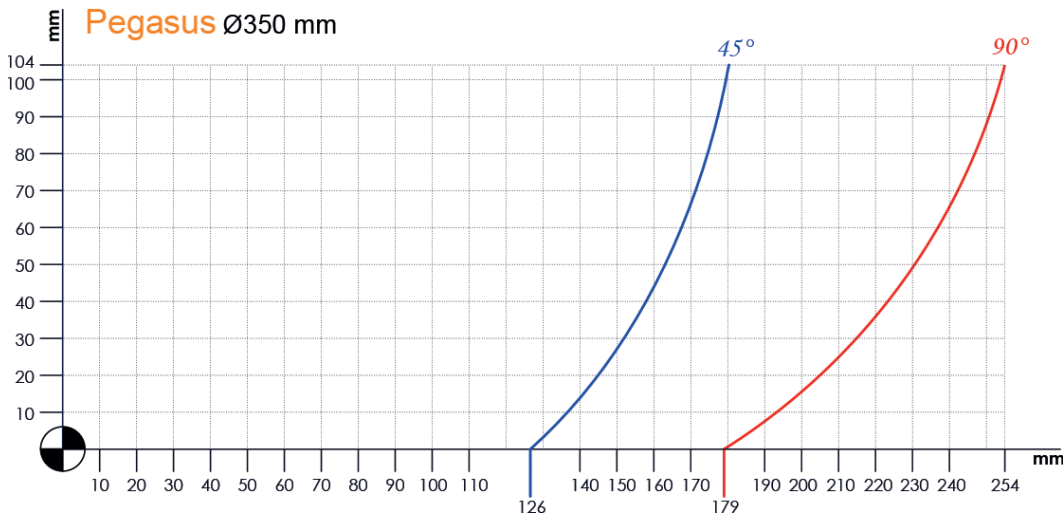
- 2 pcs. mechanic clamps

○ Optional

- Saw blade
- Single-phase motor
- Conveyor
- Mechanic spring system
- Vertical pneumatic clamps



» Cutting Diagram



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
2.2 kW, 3 HP 230V - 400V 50 / 60 Hz	D= 350 mm d=30/32 mm	3000 RPM	W x L x H (cm) 80x70x74cm	W x L x H (cm) 68x86x77cm	70



PORTABLE MITER SAW Ø305 MM/ 12"

ASTRA

» General Features

- Zero surface avoiding insertion of sawdust
- Cutting at standard angles and any intermediate angles
- Made by special aluminium (sigma) profile support miter system
- User friendly clamp. Can be tilted to any direction, tightened with one move

✓ Standard

- 1 pc. mechanic clamp
- 1 unit support

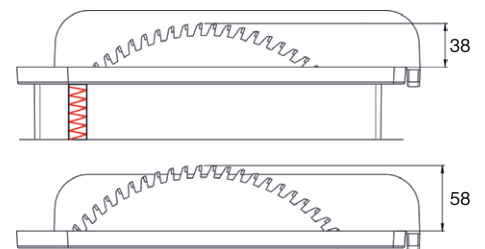
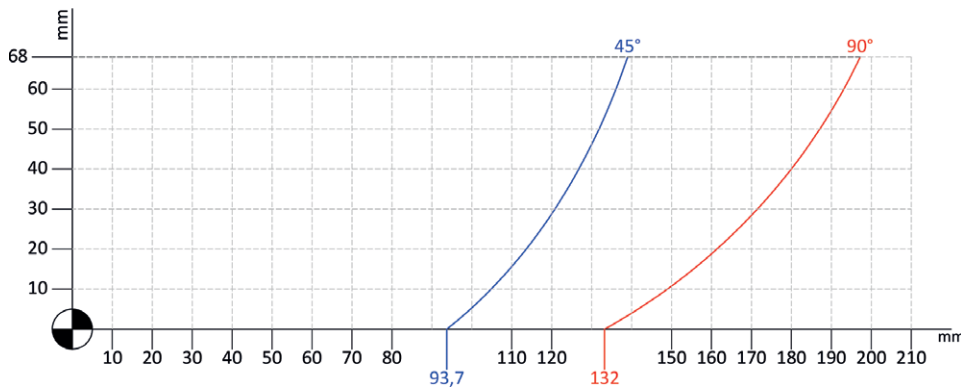
○ Optional

- Saw blade
- Additional profile in desired lenght
- Clamp set
- 3-Phase motor



» Cutting Diagram

Astra Ø305 mm



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
0,8 kW, 230V 1.2 kW - 400V 50 / 60 Hz	D= 305 mm d=30/32 mm	3000 RPM	W x L x H (cm) 60x40x47cm	W x L x H (cm) 56x43x36cm	28



PORTABLE MITER SAW WITH TILTING HEAD Ø305 MM / 12"

ALYA

» General Features

- Head can be tilted to the left and fixed at 45°
- Zero surface with no elevation difference to prevent sawdust from entering
- Cutting at standard angles and any intermediate angles
- Made by special aluminium (sigma) profile support miter system
- User friendly clamp. Can be tilted to any direction, tightened with one move

✓ Standard

- 1 pc. mechanic clamp
- 1 unit support

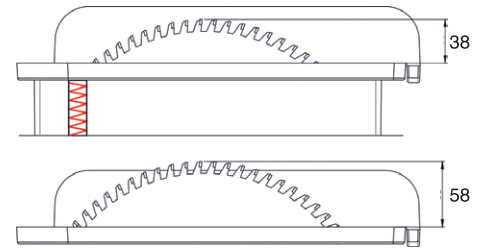
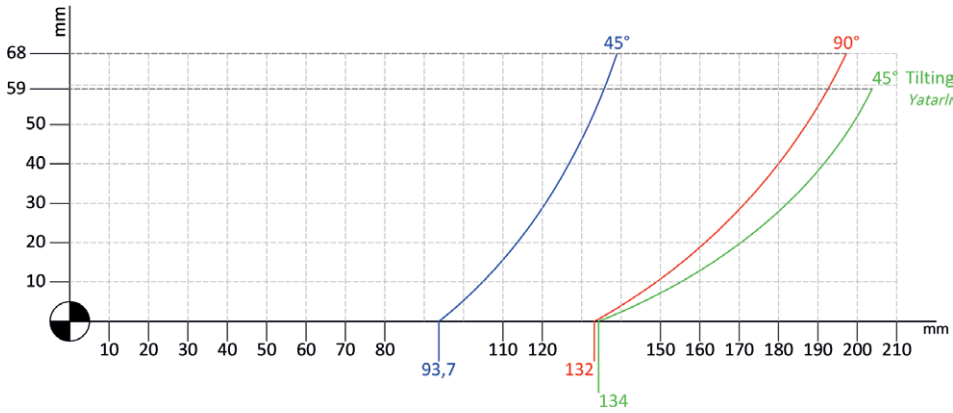
○ Optional

- Saw blade
- Additional profile in desired length
- Clamp set
- 3-Phase motor



» Cutting Diagram

Alya Ø305 mm



» Technical Table

Cutting Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
0,8 kW, 230V 1,2kW - 400V 50 / 60 Hz	D= 305 mm d=30/32 mm	3000 RPM	W x L x H (cm) 60x40x47cm	W x L x H (cm) 56x43x36cm	28



HYDRAULIC CORNER CRIMPING MACHINE FOR ALUMINIUM PROFILES

APIS-1
APIS-2



» General Features

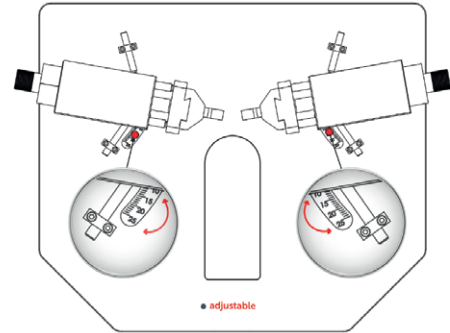
- Corner joining of aluminium profiles at 90°
- Clamps operate pneumatically. The crimping knives are hydraulic
- Depth of adjustment can be precisely adjusted depending on profile thickness
- Height of crimping knives, advancing of hydraulic cylinders and profile stop can be millimetrically adjusted
- Centering head automatically lowers after pressing
- Powerful hydraulic pump (5000 kg x 2pcs)
- Dual foot pedal for crimping action and pneumatic clamps
- Machine surface is equipped with Polyamid sheet to avoid scratching of profile surfaces
- Pressing feature at different points other than 90° thanks to the adjustable pressing unit

✓ Standard








- 2 pcs.Conveyor
- 2 crimping knives of each size 3 mm, 5 mm and 7 mm

○ Optional

- Custom crimping knives set
- Knife Cassette System



» Technical Table

 Hydraulic Motor kW	 Hydraulic	 Bar Air Cons.	 max Profile Height	 Packing Size	 Machine Size	 Machine Kg
1,1 kW 50/60Hz	Max:100 Bar	6-8 Bar 100 lt/min	Max: Apis-1: 130 mm Apis-2: 180 mm	W x L x H (cm) Apis1: 115x125x139 cm Apis-2: 115x125x145 cm	W x L x H (cm) 95x130x115 cm 95x130x120 cm	540 550



PVC PROFILE CORNER WELDING MACHINE

PHOENIX -1



» General Features

- Corner welding machine for PVC profiles
- Clamp and melting pressure can be adjusted depending on the respective profile
- Melting and welding time can be adjusted according to the PVC profile
- The profiles are clamped via one-by-one pressing the foot pedal
- The welding process is completed automatically after the profiles are clamped
- The heater plate can be set at any temperature between 0° – 260° C



» Technical Table

Electric	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
1200 W, 220V, 50 – 60 Hz	6-8 Bar	17 lt/min	max h: 130 mm a: 30° - 180°	W x L x H (cm) 88x86x154cm	W x L x H (cm) 73x75x139cm
					115



COPY ROUTER

LIBRA - 3

» General Features

- Used for aluminium and PVC profiles
- Belt driven system (there is no graphite motor in used)
- Far milling of lock, handle, hinge and espagnolette slots
- Can be used for special shapes by changing the template

✓ Standard

- Router bit
- Copy template
- 2 pcs. pneumatic clamps
- Air blow gun
- Profile support device

○ Optional

- Custom copy template
- Spray mist lubrication system
- 3-Phase motor



» Technical Table

Motor	RPM	MM	Bar	Air Cons.	Packing Size	Machine Size	Machine Kg
1,1 kW 230 V, 50/60 Hz	14000 RPM	x: 235 mm y: 120 mm z: 150 mm	6-8 Bar	55 lt/min	W x L x H (cm) 68x69x160 cm	W x L x H (cm) 55x50x145 cm	63



PORTABLE COPY ROUTER

LIBRA - 1



» General Features

- Used for aluminium and PVC profiles
- Belt driven system (there is no graphite motor in used)
- Far milling of lock, handle, hinge and espagnolette slots
- Can be used for special shapes by changing the template



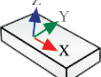



✓ Standard

- Router bit
- Copy template
- 2 pcs. mechanic clamps
- Profile support device

○ Optional

- Custom copy template
- Table (LIBRA-2)

» Technical Table

 Motor	 RPM	 MM	 Packing Size	 Machine Size	 Machine Kg
1,1 kW 230 V, 50/60 Hz	14000 RPM	x: 235 mm y: 120 mm z: 150 mm	W x L x H (cm) 58x61x50 cm	W x L x H (cm) 55x50x62 cm	39



AUTOMATIC END MILLING MACHINE

TUCANA - 5

» General Features

- Designed to notch aluminium & PVC profiles
- Fast tool changing system enables blades shift rapidly hydro-pneumatic cutting unit enables to adjust the speed of the blade regarding the type of profile
- Returns to the starting point of the process automatically
- Profile resting system adjustable to 4 different kinds of profiles
- PVC and aluminium mullion profiles can be processed within the range of +45° and -45°
- Guard cover provides a safer working environment
- Storage for spare Tools
- Robust Machine body
- Max. The diameter of attachable blade is 180 Ø
- Max. Notching dimensions H=100 mm x W=225 mm



✓ Standard

- 1x horizontal clamp
- 1x vertical clamp
- Airgun
- Profile resting conveyor



○ Optional

- Spray mist lubrication system.
- Mould connection fixture for special profiles
- Saw blade kit
- Second upper clamp

» Technical Table

Motor	Saw Dimension	Saw Revolution	Bar	Air Cons.	max Profile Height	Packing Size	Machine Size	Machine Kg
1,1 kW / 1.5 HP 380 V - 50/60 Hz	Dmax: 180 mm d=30 mm	3000 RPM	6-8 Bar	25 lt/min	100 mm	W x L x H (cm) 120x82x141	W x L x H (cm) 108x151x126	140



PORTABLE END MILLING MACHINE

TUCANA - 1



» General Features

- For aluminium & PVC mullion profiles

○ Optional

- Notching cutter
- Custom clamp fixture for profile
- Table (Tucana-2)

» Technical Table

Motor	Saw Dimension	Saw Revolution	Profile Height	Packing Size	Machine Size	Machine Kg
800W / 1200W 30 230 V / 400 V , 50/60 Hz	D= 130 Max. d=30 mm	3000 RPM	70 mm	W x L x H (cm) 45x54x37 cm	W x L x H (cm) 35x51x42 cm	30



AUTOMATED STOP & POSITIONER 300-600 CM

ASP

ASP-3 : 3 Meter

ASP-3S : 3 Meter, Servo Motor

ASP-6 : 6 Meter

ASP-6S : 6 Meter, Servo Motor



General Features ASP-3 and ASP-6

- Works with machines of any brand
- PLC Windows CE Operation System
- Memory: up to 1,200 cut lists memory for use with optimization system. Up to 5,000 cut lists memory if no optimization system is used
- It is a PLC controlled conveyor. It helps to cut the window glass profile path to the desired dimensions precisely in the cutting machines
- Manual or automatic operation
- 10" touch screen
- Manual or computer recipe creation
- Data transfer with usb flash disk
- Possibility to change the cutting list on the screen
- Production in special dimensions according to demand

✓ Standard

- Right

○ Optional





- Custom clamp fixture for profile
- Transfer cut list with USB stick
- Connection to the left side of the machine

ASP-3S and ASP-6S

- (In addition to the above)
- Data transfer via wifi
- Technical support via remote connection
- Laser meter and Bluetooth



Teknik Tablo

			
Servo kW	Packing Size	Machine Size	Machine Kg
ASP-3 : 0,25 kW, 220 V, 50/60 Hz ASP-3S : 1x0.75 kW	W x L x H (cm) ASP-3/3S: 316x53x59 cm	W x L x H (cm) ASP-3/3S: 300x66x153 cm	115



DIGITAL CONVEYOR

KN - D

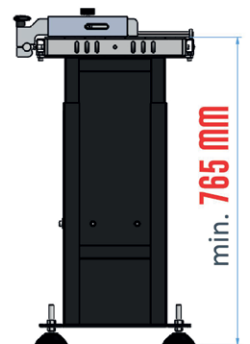
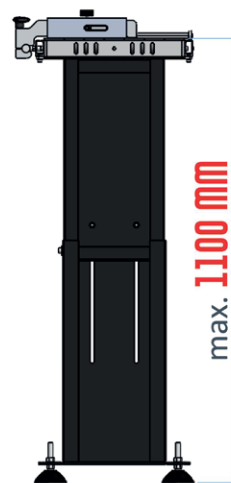


» General Features

- Conveyor with digital display
- The support system can be moved to the desired distance with the hand wheel
- Can be stopped at any point thanks to the pneumatic braking system
- Can be delivered at any desired length

» Technical Features

- Width : 250 mm
- Length : 3000 mm
- Weight : 125 kg



IDLE CONVEYOR

KN - M3

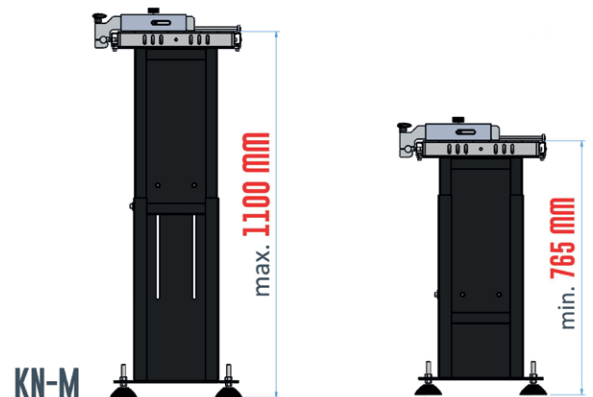


» General Features

- Manuel fence with bearing
- 3 meters and its multiples

» Technical Features

- Width : 250 mm
- Length : 3000 mm
- Weight : 31 kg / 3 m



PORTABLE MITER SAW FOR PARQUET

CASTOR



» General Features

- Portable, practical and light weight
- Suitable for cutting parquet, chipboard and hard wood material
- 1 pc. Ø235 mm saw blade

✓ Standard

- Ø 235 mm saw blade



» Technical Table

Motor	Saw Dimension	Saw Revolution	Packing Size	Machine Size	Machine Kg
0,55 kW, 230V, 50/60Hz	D=235 mm d=30 mm	3000 RPM	W x L x H (cm) 49x46x36	W x L x H (cm) 37x37x34	18

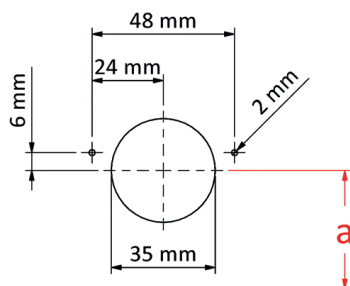
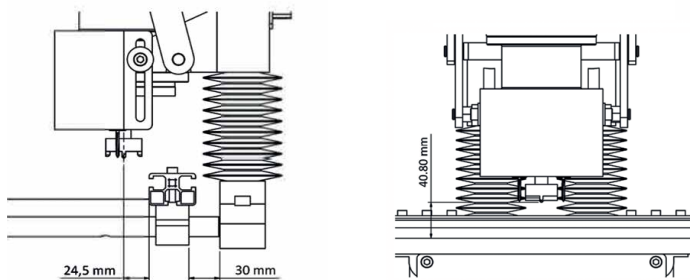


HINGE SLOT MILLING MACHINE FOR WOOD - MANUAL

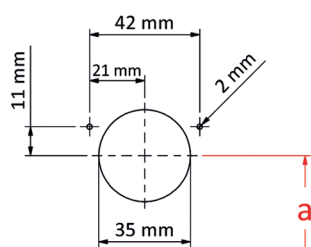
LUNA - 1

» General Features

- 2 pcs. user friendly material support
- User friendly adjustable depth distance
- Adjustable and extendable fence profile system
- Opens reference holes for screwing during milling operation



MOVING MITER



MOVING MITER

a; min = 24,5 mm
max = 54,5 mm



✓ Standard

1 pc. Hinge milling drill bit
2 pcs. drill bits



» Technical Table

Motor	Packing Size	Machine Size	Machine Kg
0,55 kW 230 V, 50 Hz	W x L x H (cm) 55x55x55 cm	W x L x H (cm) 55x50x55 cm	28

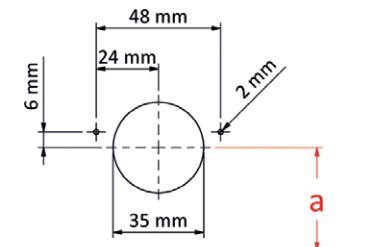
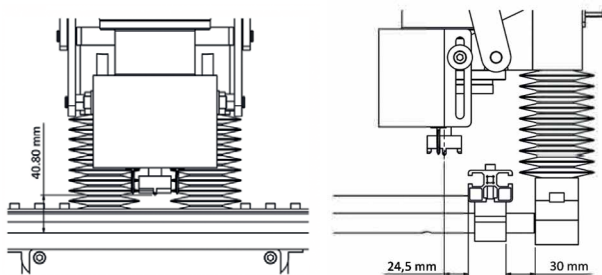


HINGE SLOT MILLING MACHINE FOR WOOD - AUTOMATIC

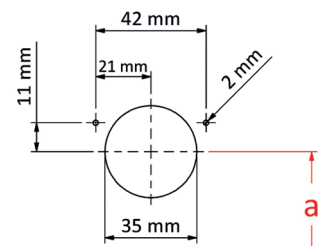
LUNA - 2

» General Features

- 2 pcs. user friendly material support
- User friendly adjustable depth distance
- Adjustable and extendable fence profile system
- Opens reference holes for screwing during milling operation
- Compressed air cleaning of saw dust



MOVING MITER



MOVING MITER

a; min = 24,5 mm
max = 54,5 mm

✓ Standard

- 1 pc. Hinge milling drill bit
- 2 pcs. drill bits



» Technical Table

Motor	Packing Size	Machine Size	Machine Kg
0,55 kW 230 V, 50 Hz	W x L x H (cm) 55x55x55 cm	W x L x H (cm) 55x50x55 cm	33



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