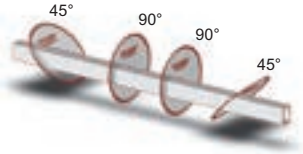
OEMME® S.p.A.

www.oemmespa.com

Machines for light-alloy systems

Machines Catalogue

Double head sawing machine



CONTROL UNIT DETAILS
- Industrial numeric control system OCD 281 with display LCD
- Alphanumeric membrane keyboard
- USB slot to be used for loading/unloading data and for software updating
- Profiles recording including references, thicknesses and eventual counter templates
- Cutting lists with sort functions
- Step by step cuts
- Over max cutting length cuts
- Bevel cuts (optional)
- Arrangement for connection to the profile height detector

TECHNICAL DETAILS
- No. 2 three-phase motors 2,2 Kw – 230/400V – 50/60 Hz
- 2800 rpm
- Max cutting length: 4000 mm
- Min cutting length: 280 mm (with tilted heads at 45°)
  250 mm (with tilted heads at 90°)
- Blade diameter: 500 mm
- Blade holder spindle diameter: 32 mm
- Operating pressure: 7 bar
- Pneumatic head tilting with mechanical stops at 90° and 45° external
- Head tilting with check of min distance between heads
- Movable head positioning driven by brushless motor with sensor on magnetic strip and pneumatic locking device in cutting position
- Movable head positioning with check of min. distance between heads
- Hydro-pneumatic blade feed
- Blade speed adjustment
- Spray lubrication with variable flow
- Vice locking device with different pressure and power-assisted valves
- Overall dimensions: 7600 mm (a) x 1600 mm (b) x 1500 mm (c)
- Weight: 1850 Kg

Brushless motor with sensor on magnetic strip ensures fastness and high positioning precision of the movable head

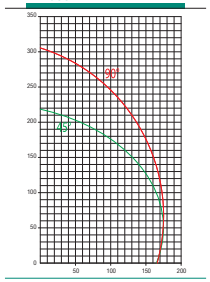
The mobile control unit is easy positioning thanks to the employment of a circular guide

The frontal side is equipped with a wide chips collector and the guides are protected by a bellows

VACUUM CLEANER ON REQUEST

TECHNICAL DETAILS
- 100 litres tank
- Three-phase motor 4 Kw – 400V – 50/60 Hz
- Suction capacity: 516 m3/h
- Max vacuum: 3.000 mmH2O
- Main filter surface: 1,95 m2
- Suction hood diameter: 70 mm
- Capacity: 100 litres
- Overall dimensions: 1055 mm (a) x 670 mm (b) x 1530 mm (c)
- Weight: 127 Kg

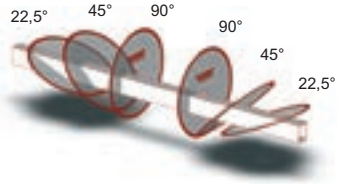
DH 500 AP



STANDARD EQUIPMENT
- Widia blades
- Pair of horizontal pneumatic vices
- Pair of vertical pneumatic vices
- Filter group reducer with N° 2 air guns
- Roller conveyor for profile support L=2000 mm
- Chute for chips collection
- Arrangement for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

DH 500 AP – Double head frontal sawing machine

Double head sawing machine



CONTROL UNIT DETAILS
- Industrial numeric control system OCD 280 with display LCD
- Alphanumeric membrane keyboard
- USB slot to be used for loading/unloading data and for software updating
- Arrangement for connection to bar code label printer through RS232
- Cutting lists with sort functions
- Step by step cuts
- Under min cutting length
- Over max cutting length
- Profiles recording including reference, thickness and counter template
- Arrangement for connection to the feeler to measure profiles thickness

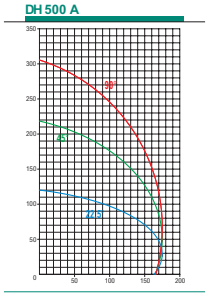
TECHNICAL DETAILS
- No. 2 three-phase motors 2,2 Kw – 400V – 50/60 Hz
- 2800 rpm
- Max cutting length: 6000 mm (6 m versions) - 4000 mm (4 m versions)
- Min cutting length: 320 mm (with tilted heads at 45°)
- Blade diameter: 500 mm (DH 500 A) – 550 mm (DH 550 A)
- Blade holder spindle diameter: 32 mm
- Operating pressure: 7 bar
- Head tilting at any angle between 90° and 22,5° thanks to brushless motors with sensors on magnetic strips and pneumatic locking device in cutting position
- Head tilting with check of min distance between heads
- Movable head positioning driven by brushless motor with sensor on magnetic strip and pneumatic locking device in cutting position
- Movable head positioning size with check of min. distance between heads
- Hydro-pneumatic blade feed
- Blade speed adjustment
- Spray lubrication with variable flow
- Vice locking device with different pressure and power-assisted valves
- Overall dimensions: 9600 mm (a) x 1600 mm (b) x 1750 mm (c) (6 m versions)
  7600 mm (a) x 16000 mm (b) x 1750 mm (c) (4 m versions)
- Weight: 2050 Kg (6 m versions) - 1700 Kg (4 m versions)

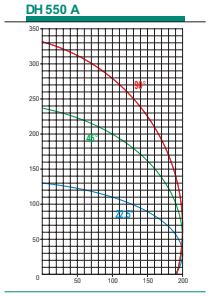
STANDARD EQUIPMENT
- Widia blades
- Pair of horizontal pneumatic vices
- Pair of vertical pneumatic vices
- Filter group reducer with N° 2 air guns
- Roller conveyor for profile support L = 2000 mm (4 m versions) - L = 2800 mm (6 m versions)
- Chute for chips collection
- Arrangement for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

Brushless motors with sensors on magnetic strips ensure high positioning precision and excellent repeatability

The frontal side is equipped with a wide chips collector and the guides are protected by a bellows

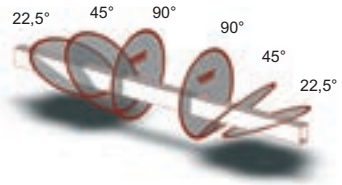
The particular structure allows both DH 500 A and DH 550 A to perform a min cut of 320 mm with both tilted heads at 45°





DH 500 A – DH 550 A – Double head electronic frontal sawing machine

Double head sawing machine



CONTROL UNIT DETAILS
- Industrial numeric control system OCD 280 with display LCD
- Alphanumeric membrane keyboard
- PC Touch screen with monitor LCD 15"
- Profiles and typologies graphic visualization
- Profiles recording including profile references, typologies and accessories
- Cutting lists optimizing
- Profile bar graphic visualization while working
- Arrangement for office PC connection by means of Ethernet network
- USB slot for external Hard Disk connection
- Bar code label printer
- Step by step cuts
- Under min cutting length cuts
- Over max cutting length cuts
- Arrangement for connection to the feeler to measure profiles thickness

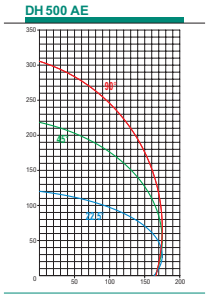
- TECHNICAL DETAILS
- No. 2 three-phase motors 2,2 Kw – 400V – 50/60 Hz
- 2800 rpm
- Max cutting length: 6000 mm (6 m versions) - 4000 mm (4 m versions)
- Min cutting length: 320 mm (with tilted heads at 45°)
- Blade diameter: 500 mm (DH 500 A) – 550 mm (DH 550 A)
- Blade holder spindle diameter: 32 mm
- Operating pressure: 7 bar
- Head tilting at any angle between 90° and 22,5° thanks to brushless motors with sensors on magnetic strips and pneumatic locking device in cutting position
- Head tilting with check of min distance between heads
- Movable head positioning driven by brushless motor with sensor on magnetic strip and pneumatic locking device in cutting position
- Movable head positioning size with check of min. distance between heads
- Hydro-pneumatic blade feed
- Blade speed adjustment
- Spray lubrication with variable flow
- Vice locking device with different pressure and power-assisted valves
- Overall dimensions: 9600 mm (a) x 1600 mm (b) x 1750 mm (c) (6 m versions)
  7600 mm (a) x 16000 mm (b) x 1750 mm (c) (4 m versions)
- Weight: 2050 Kg (6 m versions) - 1700 Kg (4 m versions)

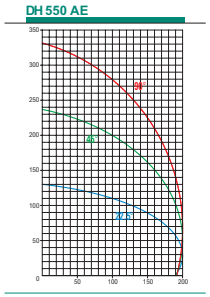
STANDARD EQUIPMENT
- Widia blades
- Pair of horizontal pneumatic vices
- Pair of vertical pneumatic vices
- Filter group reducer with N° 2 air guns
- Roller conveyor for profile support L = 2000 mm (4 m versions) - L = 2800 mm (6 m versions)
- Chute for chips collection
- Arrangement for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

Brushless motors with sensors on magnetic strips ensure high positioning precision and excellent repeatability

The mobile control unit is easy positioning thanks to the employment of a circular guide

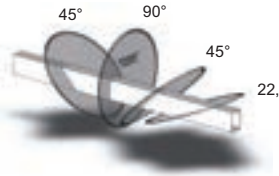
The frontal side is equipped with a wide chips collector and the guides are protected by a bellows





DH 500 AE – DH 550 AE – Double head computerized frontal sawing machine

Single head sawing machine



TECHNICAL DETAILS
- Three-phase motor 2,2 Kw – 230/400V – 50/60 Hz
- 2800 rpm
- Blade diameter: 500 mm (SH 500 F) – 550 mm (SH 550 F)
- Blade holder spindle diameter: 32 mm
- Operating pressure: 6 – 8 bar
- Pneumatic head tilting – 45° / 0° / +45°
- Manual positioning set-up of intermediate degrees up to 22,5° right and 45° left with mechanical stops
- Micro for blade stroke adjustment
- Valve for blade feed speed adjustment
- Spray lubrication with variable flow
- Vices locking device with different working pressure
- Overall dimensions: 1000 mm (a) x 1470 mm (b) x 1550 mm (c)
- Weight: 520 Kg

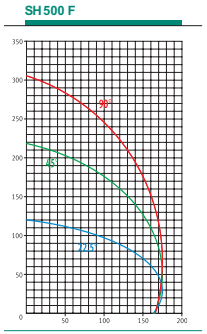
STANDARD EQUIPMENT
- Widia blade
- Pair of horizontal pneumatic vices
- Filter group reducer + lubricator with air gun
- Extractable chips collector
- Installation, operation and maintenance manual
- Service spanners

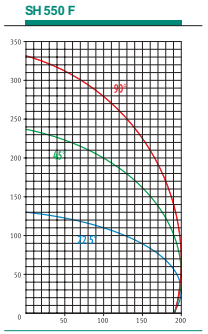
The blade stroke regulating device allows to stop the cut in the required position reducing operating time

Goniometer positioned in the front of the machine allows the operator to easily adjust the mechanical stops

Valve for blade feed speed adjustment allows to suit different cutting possibilities according to the material specifications

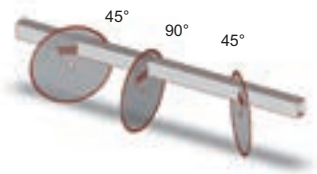
An easy extractable chips collector allows a quick and efficient cleaning after working





SH 500 F – SH 550 F – Single head frontal sawing machine

Single head sawing machine

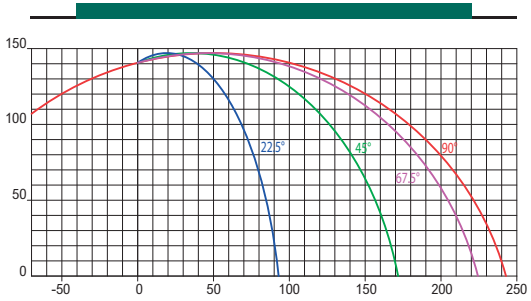


TECHNICAL DETAILS
- Three-phase motor 1,5 Kw – 230/400V – 50/60 Hz
- 3750 rpm
- Blade diameter: 400 mm
- Blade holder spindle diameter: 32 mm
- Operating pressure: 6 - 7 bar
- Manual adjustment head rotation with fixed positions 90° - 67,5° - 45° - 22,5° right and left and 0° right
- Manual adjustment intermediate degrees with goniometer and mechanical locking device
- Spray lubrication with variable flow with regulator on control panel
- Vices locking device with different working pressure and safety power-assisted valves
- Adjustable profile stop to increase cutting capacity
- Overall dimensions: 900 mm (a) x 1150 mm (b) x 1430 mm (c)
- Weight: 309 Kg

STANDARD EQUIPMENT
- Widia blade
- Pair of vertical pneumatic vices
- Pair of horizontal pneumatic vices with rotation automatic system when unlocking
- Filter group reducer + lubricator with air gun
- Extractable chips collector
- Device for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

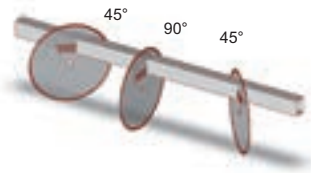
Automatic rotation system of the horizontal vices when unlocking to facilitate the loading and unloading profile operations

CUTTING DIAGRAM



SH 400 MR – Ascending manual sawing machine

Single head sawing machine



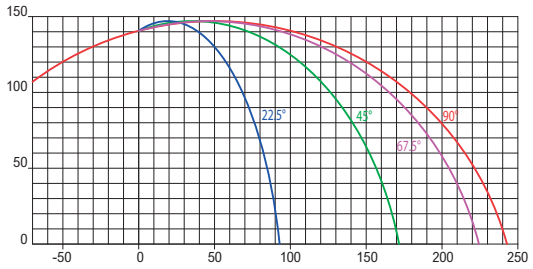
TECHNICAL DETAILS
- Three-phase motor 1,5 Kw – 230/400V – 50/60 Hz
- 3750 rpm
- Blade diameter: 400 mm
- Blade holder spindle diameter: 32 mm
- Operating pressure: 6 - 7 bar
- Manual adjustment head rotation with fixed positions 90° - 67,5° - 45° - 22,5° right and left and 0° right
- Manual adjustment intermediate degrees with goniometer and mechanical locking device
- Output speed adjustment valve
- Spray lubrication with variable flow with regulator on control panel
- Vices locking device with different working pressure and safety power-assisted valves
- Adjustable profile stop to increase cutting capacity
- Overall dimensions: 900 mm (a) x 1100 mm (b) x 1430 mm (c)
- Weight: 288 Kg

STANDARD EQUIPMENT
- Widia blade
- Pair of vertical pneumatic vices
- Pair of horizontal pneumatic vices with rotation automatic system when unlocking
- Filter group reducer + lubricator with air gun
- Extractable chips collector
- Device for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

RU 803 AL – Automatic loading roller conveyor for accessories cutting

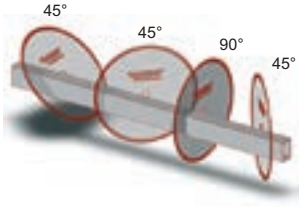
TECHNICAL FEATURES
- Three-phase motor 300 w - 400V – 50/60Hz
- Feeding speed: 30 m/min.
- Max. cutting length: 6700 mm
- Min. bar length: 155 mm
- Operating pressure: 7 bar
- Manual regulation of the clamp horizontal setting
- Manual regulation of the clamp vertical setting
- Max. clamp opening: 38 mm
- Feeding strength: 180 N
- Overall dimensions: 7300 mm (a) x 750 mm (b) x 1250 mm (c)
- Weight: 380 Kg

CUTTING DIAGRAM



SH 400 AR – Ascending automatic sawing machine

Single head sawing machine

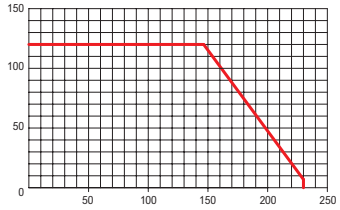


TECHNICAL DETAILS
- Three-phase motor 2,2 Kw – 230/400V – 50/60 Hz
- 2890 rpm
- Blade diameter: 400 mm
- Blade holder spindle diameter: 30 mm
- Operating pressure: 7 bar
- Manual adjustment of the head rotating – 45° / 0° / + 45 and intermediate degrees
- Manual adjustment of the head tilting to 0° / 45° towards left
- Spray lubrication with variable flow
- Vices locking device with different working pressure and safety power-assisted valves
- Overall dimensions: 730 mm (a) x 640 mm (b) x 1410 mm (c)
- Weight: 120 Kg

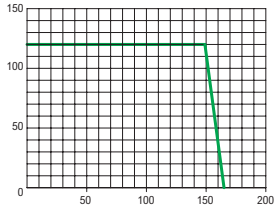
STANDARD EQUIPMENT
- Widia blade
- Pair of horizontal pneumatic vices
- Filter group reducer + lubricator with air gun
- Arrangement for connection to the vacuum cleaner
- Installation, operation and maintenance manual
- Service spanners

CUTTING DIAGRAM

SH 400 D – Lama 90°



SH 400 D – Lama ruotata 45°



SH 400 D - Descending manual sawing machine

Roller conveyors for single head sawing machines

RU 800 L
Loading roller conveyor

TECHNICAL DETAILS
- Aluminium structure equipped with two supports
- PVC support rollers
- Overall dimensions:
- 4 m version: 4430 mm (a) x 450 mm (b) x 1060 mm (c)
- 3 m version: 3430 mm (a) x 450 mm (b) x 1060 mm (c)
- Weight: 50 Kg (4 m version) - 44 Kg (3 m version)

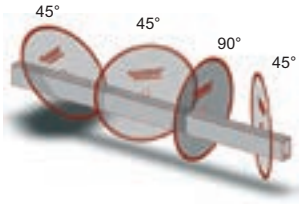
RU 801 U
Analogic unloading roller conveyor

TECHNICAL DETAILS
- Cutting length: 4000 mm (4 m version) – 3000 mm (3 m version)
- Manual stop positioning by means of hand wheel with pneumatic locking device
- Stop measure reading on a steel rule by a magnifier
- Aluminium structure equipped with two supports
- PVC support rollers
- Overall dimensions:
- 4 m version: 4630 mm (a) x 450 mm (b) x 1060 mm (c)
- 3 m version: 3630 mm (a) x 450 mm (b) x 1060 mm (c)
- Weight: 60 Kg (4 m version) – 54 Kg (3 m version)

RU 802 UD
Digital unloading roller conveyor

TECHNICAL DETAILS
- Cutting length: 4000 mm (4 m version) – 3000 mm (3 m version)
- Manual stop positioning by means of hand wheel with pneumatic locking device
- Stop measure reading on decimal display
- Magnetic strip sensor for stop measure
- Aluminium structure equipped with two supports
- PVC support rollers
- Overall dimensions:
- 4 m version: 4630 mm (a) x 500 mm (b) x 1270 mm (c)
- 3 m version: 3630 mm (a) x 500 mm (b) x 1270 mm (c)
- Weight: 63 Kg (4 m version) - 57 Kg (3 m version)

Single head sawing machine

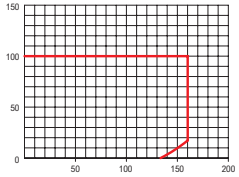


TECHNICAL DETAILS
- Mono phase motor 1,4 Kw – 230V – 50/60 Hz
- 2890 rpm
- Blade diameter: 300 mm
- Blade holder spindle diameter: 30 mm
- Manual adjustment of the head rotating – 45° / 0° / + 45° and intermediate degrees
- Manual adjustment of the head tilting 0° / + 45° towards left
- Dimensions of the upper table: 310 mm x 395 mm
- Cutting height from the upper table: 50 mm
- Overall dimensions: 530 mm (a) x 510 mm (b) x 480 mm (c)
- Weight: 28 Kg

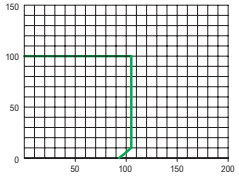
STANDARD EQUIPMENT
- Widia blade
- N° 1 manual horizontal vice
- N° 1 stop rod
- Installation, operation and maintenance manual
- Service spanners

CUTTING DIAGRAM

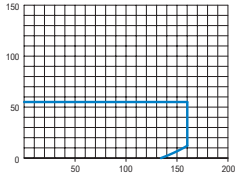
TC 300 – Lama 90°



TC 300 – Lama ruotata 45°

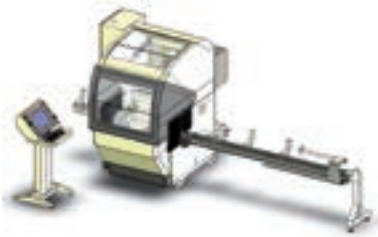


TC 300 – Lama inclinata 45°



TC 300 – Portable single head sawing machine with trimming table

Numeric control copy router



CONTROL UNIT DETAILS
- PC Touch Screen with monitor LCD 15”
- Easy and assisted operator / machine interface
- Profiles with graphic section files storage
- Process parameters macros (already made or to make) for work programming
- Display of the profile section
- Automatic conversion of graphic instructions into ISO language
- Dimensional parameters and tool cutting control
- Tool life control
- Possibility to carry out idle cycles

TECHNICAL DETAILS
- Three-phase motor 400 V – 50/60 Hz
- Axis travel X (longitudinal axis): 400 mm
- Axis travel Y (transversal axis): 450 mm
- Axis travel Z (vertical axis): 220 mm
- Spindle rotation: 0° - 90°
- Vice plane rotation: 0° - 90°
- Operating pressure: 6 bar
- Max axis positioning speed: 15 m/1’
- Electrical spindle speed: up to 24000 r.p.m.
- Electrical spindle power: up to 3,8 Kw
- Tool holder: ISO 30
- Manual tool change with unlocking button
- Manual stop positioning controlled by CN
- Pneumatic stop locking system
- Sensor on magnetic strip for stop position detection (length max. 2600 mm)
- Front guard automatic opening
- Front guard automatic withdrawal while loading and unloading the workpiece

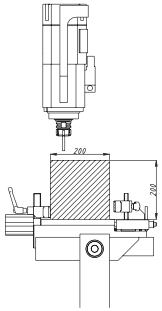
STANDARD EQUIPMENT
- N. 2 side vices (distance 700 mm) e N. 1 smaller central vice
- Spray lubrication with variable flow
- Vices locking device with different working pressure
- Extractable chips collector
- N. 1 tool holder ISO 30
- N. 1 cutter Ø8 mm
- Installation, operation and maintenance manual
- Service spanners

During the workpiece loading and unloading operations the front guard withdraws to facilitate the operator

The spindle 90° tilting allows the front side machining of the workpiece

The clamping device 90° rotation allows the back side machining of the workpiece

WORKING CAPACITY



MC 910 SPIRIT – Automatic copy router with 3 fully controlled axes

Copy routers

TECHNICAL FEATURES
- Three-phase motor with inverter 2,2 Kw – 400 V – 50/60 Hz
- From 0 to 12000 r.p.m. adjustable by potentiometer
- X axis travel (longitudinal axis): 450 mm
- Y axis travel (cross axis): 220 mm
- Z axis travel (vertical axis): 210 mm
- Operating pressure: 6-7 bar
- Pneumatic tilting of the work table 0° / 90°
- Manual positioning at intermediate degrees
- Adjustable profile stop by rule
- Spray oil lubrication
- Spindle connection: ER 32
- Overall dimensions: 1050 mm (a) x 950 mm (b) x 1650 mm (c)
- Weight: 275 Kg

STANDARD EQUIPMENT
- N° 2 pneumatic vices
- N° 2 templates for standard machining operations
- N° 2 pneumatic feelers
- N° 1 collet Ø 8 mm for chuck ER 32
- N° 1 cutter Ø 8 mm
- Filter group reducer + lubricator with air gun
- Extractable chips collector
- Installation, operation and maintenance manual
- Service spanners

The switch board panel is positioned on the head to allow good visibility and easy accessibility

An easy extractable chips collector allows a quick and efficient cleaning after working

CR 450 - Copy router with tilting table 0° - 90° (ALU and INOX)

TECHNICAL FEATURES
- Three-phase motor 1,1 Kw – 230/400V – 50/60 Hz
- 15000 rpm
- X axis travel (longitudinal axis): 260 mm
- Y axis travel (cross axis): 115 mm
- Z axis travel (vertical axis): 120 mm
- Working capacity: 260 mm (a) x 115 mm (b) x 155 mm (c) with tool L = 20 mm
- Operating pressure: 6 – 7 bar
- Adjustable profile stop
- Pneumatic device for vertical axis locking on working position
- Spray lubrication with variable flow
- Overall dimensions: 700 mm (a) x 540 mm (b) x 1570 mm (c)
- Weight: 118 Kg

- STANDARD EQUIPMENT
- N° 2 pneumatic vices
- N° 2 templates for standard working
- N° 2 pneumatic feelers
- N° 1 collet Ø 8 mm for chuck
- N° 1 cutter Ø8 mm
- Filter group reducer with air gun
- Installation, operation and maintenance manual
- Service spanners

Vices locking device with different operating pressure and safety power-assisted valves allow the clamping of the profile even in case of accidental pressure drop

The circular guides Ø40 mm combined with the lever system guarantee a considerable handiness and precision while working

CR 260 – Copy router with fixed table

End milling machines

TECHNICAL DETAILS
- Three-phase motor 1,5 Kw – 230/400V – 50/60 Hz
- Up to 7000 rpm
- Working stroke: 280 mm (end milling at any angle between 45° right and left)
- Operating pressure: 7 bar
- Max cutter diameter: 160 mm
- Cutter holder dimensions: 25 x 32 x 200 mm
- Manual adjustment of the end-milling angle up to 45° right and 45° left with direct reference on the profile
- Pneumatic change of the milling units
- Spindle rotating speed adjustment by inverter
- Speed adjustment valve for cutter feed
- Quick approach through a micro for working start sensing
- Spray lubrication with variable flow
- Vices locking device with different working pressure and safety power-assisted valves
- Overall dimensions: 1000 mm (a) x 1150 mm (b) x 1350 mm (c)
- Weight: 268 Kg

STANDARD EQUIPMENT
- N° 1 cutter holder 25 x 32 x 200 mm
- N° 1 adjustable stop equipped with reference plane
- Horizontal adjustable pneumatic vice
- Vertical pneumatic vice
- Roller conveyor for supporting the profile
- Filter group reducer + lubricator with air gun
- Extractable chips collector
- Installation, operation and maintenance manual
- Service spanners

An innovative translation system of the work plane allows to perform end milling at any angle between 45° right and 45° left without reducing the working stroke which is always 280 mm

An easy extractable chips collector allows a quick and efficient cleaning after working

EM 280 A – Automatic feed end milling machine (-45°/90°/+45°)

Adjustable stop equipped with reference plane to set up the machine at any angle through direct reference on the profile

Quick change of the milling unit by push button on the switchboard panel

TECHNICAL DETAILS
- Three-phase motor 1,5 Kw – 230/400V – 50/60 Hz
- 2800 rpm
- Working stroke: 250 mm
- Operating pressure: 7 bar
- Max cutter diameter: 160 mm
- Cutter holder dimensions: 25 x 32 x 200 mm
- Manual adjustment of the end milling angle up to 45° right and 45° left with direct reference on the profile
- Pneumatic change of the milling units
- Spray lubrication with variable flow
- Vices locking device with different working pressure and safety power-assisted valves
- Overall dimensions: 700 mm (a) x 1200 mm (b) x 1300 mm (c)
- Weight: 170 Kg

STANDARD EQUIPMENT
- N° 1 cutter holder 25 x 32 x 200 mm
- N° 1 adjustable stop equipped with reference plane
- Horizontal adjustable pneumatic vice
- Vertical pneumatic vice
- Roller conveyor for supporting the profile
- Filter group reducer + lubricator with air gun
- Installation, operation and maintenance manual
- Service spanners

EM 250 M – Manual feed end milling machine (-45°/90°/+45°)

Work benches

TECHNICAL FEATURES
- Fold sheet-iron and extruded aluminium profile structure with height adjustable feet and hinged wheels
- Anti-scratch and anti-sliding black rubber for frames supporting
- Max carrying capacity: 80 Kg/m2
- Work bench dimensions - closed: 1160 mm (a) x 2500 mm (b) x 900 mm (c)
- Work bench dimensions - open: 2600 mm (a) x 2500 mm (b) x 900 mm (c)
- Weight: 70 Kg

STANDARD EQUIPMENT
- Pneumatic equipment with arrangement to connection to nr. 4 tools
- Central plate container for the accessories and tools support
- Arrangement to connection of nr. 2 turning tables at the ends
- Arrangement to assembly of strip brushes or plastic bars
- Assembly manual

TECHNICAL FEATURES
- Pneumatic tilting working surface from 0° till 85°
- Support surface in extruded aluminum and plastic bars
- Lower roller conveyor adjustable in height equipped with manual 180° turning over device
- Incorporated turning table equipped with a pneumatic lifting device with telescopic supports
- Roller conveyor height: 190 – 250 mm from the floor
- Turning table supports regulation: 250 - 1000 mm (a) 300 - 1500 mm (b)
- Turning table height: 250 mm from the bench surface
- Max. carrying capacity: 80Kg/m²
- Turning table max. carrying capacity: 120 Kg
- Overall dimensions: 1300 mm (a) x 1350 mm(b) x 870 mm (c)
- Weight: 195 Kg

STANDARD EQUIPMENT
- Safety light signals
- Assembly manual

Extending work bench on 2 sides standing out for its robust construction to allow a very good flatness also at the max. extension

The turning table (OPTIONAL) with pneumatic lift is equipped with a folding arm to reduce overall dimensions when not used

The roller conveyor is adjustable in height to grant the alignment with the sash holder trolleys and facilitate the unloading of the fitting

The rotating lifting device is equipped with telescopic supports covered with rubber for the glass leaning

WB 704 – Horizontal work bench

WB 703 – Tilting work bench

Trolleys

HE 605 T – Bars holder trolley

TECHNICAL DETAILS
- Surfaces of contact covered with anti-scratch rubber
- N° 4 freely-rotating wheels equipped with brake
- Max carrying capacity: 300 Kg
- Overall dimensions: 4400 mm (a) x 835 mm (b) x 935 mm (c)
- Weight: 58 Kg

HE 601 T – Profiles holder trolley

TECHNICAL DETAILS
- Surfaces of contact covered with anti-scratch rubber
- Adjustable side safety guards
- By choice anti-fall equipment
- N° 2 fixed wheels and N° 2 freely-rotating wheels equipped with brake
- Handles for trolley moving
- Carrying profile length: min. 250 mm – max. 3300 mm
- Max carrying capacity: 200 Kg
- Overall dimensions: 2350 - 3950 mm (a) x 800 mm (b) x 1590 mm (c)
- Weight: 111 Kg

HE 602 T – Frames holder trolley

TECHNICAL DETAILS
- Surfaces of contact covered with anti-scratch rubber
- N° 10 adjustable compartments 105 mm wide
- Base with polizene strips to make the fittings handling easier
- Handles for trolley moving
- N° 2 fixed wheels and N° 2 freely-rotating wheels equipped with brake
- Max carrying capacity: 515 Kg
- Overall dimensions: 1145 mm (a) x 1000 mm (b) x 1195 mm (c)
- Weight: 88 Kg

ACCESSORIES ON REQUEST
- Art. 4000364
- Guide line for WB703 bench combining

HE 606 T – Glass holder trolley

TECHNICAL DETAILS
- Surfaces of contact covered with anti-scratch rubber
- Forks slots for trolley lifting
- Anti-fall slanted supporting surface
- N° 2 fixed wheels and N° 2 freely-rotating wheels equipped with brake
- Max carrying capacity: 400 Kg
- Overall dimensions: 1730 mm (a) x 970 mm (b) x 1696 mm (c)
- Weight: 70 Kg

HE 603 T – Gaskets holder trolley

TECHNICAL DETAILS
- N° 4 roll holder stations with friction system
- Quick roll changing
- Arrangement for installation of additional roll holders
- N° 2 fixed wheels and N° 2 freely-rotating wheels equipped with brake
- Max. coil diameter: 600 mm
- Min. hole coil diameter: 100 mm
- Overall dimensions: 850 mm (a) x 800 mm (b) x 1350 mm (c)
- Weight: 28 Kg

ACCESSORIES ON REQUEST
- Art. 4000252
- N° 2 additional roll holders for HE 603 T

Wrapping machine

TECHNICAL DETAILS
- Three-phase motor 400 V – 50/60 Hz + neutral
- Manual and/or automatic work cycle
- Programming of the windings number
- Operating pressure: 6 bar
- Working capacity (fittings dimensions): width min 500 mm - max 2000 mm
  height min 900 mm - max 2700 mm
- Turn-plate rotation speed adjustment by inverter
- Up and down speed adjustment of the turn-plate by inverter
- Vice height electric adjustment with dimensions reading on positioner
- Turn-plate stopping device in loading and unloading position
- Photocell monitors the fittings height and the automatic motion reversal of the coil trolleys
- Stress adjustment of extensible film
- Coil max dimensions of extensible film: height 500 mm - diameter 300 mm
- Polyethylene air bubble coil max dimensions: height 500 mm - diameter 800 mm
- Overall dimensions: 3200 mm (a) x 2760 mm (b) x 3540 mm (c)
- Weight: 993 Kg

STANDARD EQUIPMENT
- Fittings clamping pneumatic vice with overturning preventer device
- Width adjustable loading and unloading roller conveyor
- Laser pointing device for pneumatic vice height adjustment
- Filter group reducer
- Installation, operation and maintenance manual
- Service spanners

HE 600 T – Fittings holder trolley

TECHNICAL DETAILS
- Surfaces of contact covered with anti-scratch rubber
- N° 5 compartments 200 mm wide
- Base with rollers to make the fittings handling easier
- N° 4 freely-rotating wheels, of which equipped with brake
- Handles for trolley moving
- Height adjustable system for fitting containment
- Max carrying capacity: 1000 Kg/m2
- Overall dimensions: 1200 mm (a) x 1650 mm (b) x 2165 - 3180 mm (c)
- Weight: 188 Kg

The loading and unloading roller conveyor gets automatically down during packaging and puts the fitting on a rubber area which prevents it from side slipping

A laser pointing device allows the pneumatic vice height adjustment even if we don't know the height of the fitting to be packed

The pneumatic vice is equipped with a device which prevents accidental overturning of the fitting during handling; this device is automatically switched off when the frame is locked allowing the fitting to be completely wrapped

PM 270 - Packaging machine for window and door frames

Corner crimping machines

TECHNICAL DETAILS
- Working thrust on each punch holder head: 13250 N (1350 Kg)
- Operating pressure: 7-8 bar
- Adjustable crimping height: min 0 mm, max 35 mm
- Distance between punches: min 25 mm, max 75 mm
- Adjustable crimping distance from the corner: min 40 mm, max 70 mm
- Working capacity (width of the profile chamber): min 10 mm, max 85 mm
- Adjustable crimping depth: min 2 mm, max 7,5 mm
- Height adjustable pneumatic vice with double push-button
- Vice opening adjustment for frames of small dimensions (inner side of the square frame: min 180 mm)
- Simultaneous adjustment of the stroke of the two punch holder heads
- Folding and height adjustable profile supports
- Overall dimensions of the machine - shut off: 700 mm (a) x 800 mm (b) x 1300 mm (c)
- Overall dimensions of the machine - working: 1700 mm (a) x 1200 mm (b) x 1300 mm (c)
- Weight: 218 Kg

STANDARD EQUIPMENT
- N° 4 plastic drawers
- Standard height adjustable wedge to clamp the profile
- Vertical pusher for corner alignment
- Filter group reducer + lubricator
- Installation, operation and maintenance manual
- Service spanners

Folding profile supports to reduce the overall dimensions when not used

Decimal display for crimping depth

Art. 4020191
Kit of universal crimping punches

MAC 301 C - Manual crimping tool for alignment corner-joints

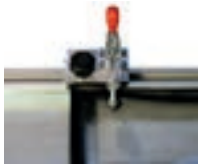
TECHNICAL DETAILS
- Adjustable crimping height: min 0 mm, max. 24 mm
- Adjustable crimping distance from the corner: min 41 mm, max 55 mm
- Crimping punches thickness: 3 mm (ref. 2990204), 1,8 mm (ref. 2990203)
- Overall dimensions: 670 mm (a) x 370 mm (b) x 160 mm (c)
- Weight: 3,9 Kg

MAC 302 C - Corner crimping machine

Gasket welding machine

TECHNICAL DETAILS
- Mono phase electric supply 1 Kw – 230 V – 50/60 Hz
- Highest welding temperature : 230°C
- Welding time: from 0 to 9,9 sec.
- Max gasket section: 45 x 32 mm
- Dimensions of the rectangular side: min. 400 mm
  Max. 2700 mm
- Coil diameter: min 900 mm
  Max 1200 mm
- Coil max thickness: 160 mm
- Working pressure: 6-7 bar
- Manual stop adjusting
- Telescopic gasket stop with millimeter reading index
- Overall dimensions: 4500 mm (a) x 920 mm (b) x 1400 mm (c)
- Weight: 160 Kg

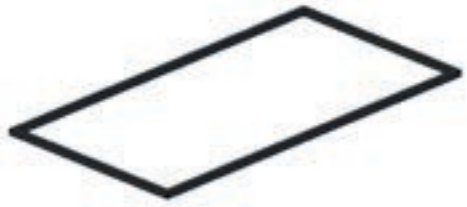
STANDARD EQUIPMENT
- Pair of clamps to block the gasket
- Set up for quick assembling of counter templates
- Integrated coil holder
- Installation, operation and maintenance manual in language
- Service spanners
-



Pair of stops equipped with clamps to block the gasket

PLC to enter working lists, temperature and welding time according to the section of the gasket

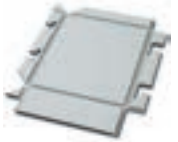
Quick assembling counter templates according to the gasket



45° cut and welding of TPE gaskets and realization of quick assembling frames

MAC 180 W – TPE gasket welding machine

Composite panels punching machines



Art. 3190696
Portable punching tool for 90° cutting

TECHNICAL DETAILS
- Cutting depth: adjustable from 25 to 35 mm (adjustable stops)
- Working thickness: from 4 to 6 mm
- Working thread: 1300 Kg
- Working pressure: min 6 - max 7 bar
- Air consumption: 0,4 lit/cycle
- Overall dimensions: 300 (a) x 210 (b) x 180 (c) mm
- Weight: 4 Kg

Art. 3190626
"PUZZLE" shaped slot punching

TECHNICAL DETAILS
- Cutting depth: adjustable from 25 to 35 mm (adjustable stops)
- Working thickness: 4 mm
- Guide system in the grooves previously milled
- Working thread: 1300 Kg
- Working pressure: min 6 - max 7 bar
- Air consumption: 0,4 lit/cycle
- Overall dimensions: 295 (a) x 200 (b) x 190 (c) mm
- Weight: 5 Kg

Art. 3190533
Cut punching for panel curving

TECHNICAL DETAILS
- Cutting depth: adjustable from 23 to 33 mm
- Distance between cuts: adjustable from 12 to 20 mm
- Reference to the previous cut by choice
- Working thickness: from 4 to 6 mm
- Working thread: 1300 Kg
- Working pressure: min 6 - max 7 bar
- Air consumption: 0,4 lit/cycle
- Overall dimensions: 290 (a) x 150 (b) x 210 (c) mm
- Weight: 4 Kg

Art. 3190674
5x10mm fixing slot panels punching

Slot dimensions:
5 x 10 mm

TECHNICAL DETAILS
- Cutting depth: adjustable from 5 to 22,5 mm (adjustable stops)
- Slot distance: reading index to adjust from 14 to 52 mm from the edge
- Working thickness: from 4 to 6 mm
- Working thread: 1300 Kg
- Working pressure: min 6 – max 7 bar
- Air consumption: 0,4 lit/cycle
- Overall dimensions: 291 (a) x 115 (b) x 181(c) mm
- Weight: 3,5 Kg

Portable punching tool for hanging slots

Art. 3190528

Slot dimensions:
"T" 39 x 9 mm

Art. 3190543

Slot dimensions:
"L" 45 x 10 mm

Art. 3190627

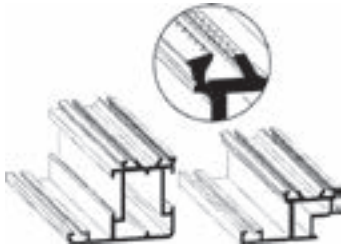
Slot dimensions:
"T" 50 x 10 mm

TECHNICAL DETAILS
- Slot depth as to the edge of the panel: adjustable from 16 to 26 mm (considering the end of
- the slot)
- Working thickness: from 4 to 6 mm
- Working thread: 1300 Kg
- Working pressure: min 6 – max 7 bar
- Air consumption: 0,4 lit/cycle
- Overall dimensions: 290 (a) x 110 (b) x 175 (c) mm
- Weight: 4 Kg

Thermal break profile assembly equipments

Concept of thermal break profile assembly

The process to perform thermal break profiles consists of three phases:

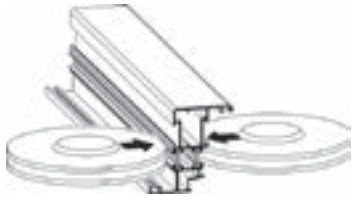


1st PHASE – KNURLING OPERATION

Knurling of the plastic bar grooves

2nd PHASE – BAR INSERTION

Insertion of the plastic bars in the grooves, previously knurled, so that the inner and outer aluminium shells of the profile are connected



3rd PHASE – ASSEMBLY

Crashing of the edges of the bar grooves by rolling to get a unique monolithic profile

Machine

AS 140 Z – Knurling machine

TECHNICAL DETAILS
- Nr 2 three-phase motors 0.55 Kw – 400 V – 50/60 Hz
- Safety device on cutter assembly in order not to overload the mechanical parts
- Bar feed speed : up to 235 m/min
- Transversal cutter adjustment by means of a single control device equipped with a decimal positioner
- Vertical cutter adjustment by means of two independent control devices equipped with decimal a positioner
- Machine overall dimensions : 1075 mm (a) x 1100 mm (b) x 1845 mm (c)
- Machine weight : 450 Kg

AS 242 I – Plastic bar inserting device

(available also with automatic chargers AS 241 I)

TECHNICAL DETAILS
- 2 motors 0,55 kW – 400 V – 50/60 Hz
- Bar feed speed: up to 100 m/min
- Button for strips partial insertion into the lower shell
- Transversal bar guide adjustment by means of a single control device equipped with a decimal positioner
- Vertical bar guide adjustment by means of two independent control devices equipped with a decimal positioner
- Bar stop by choice through push-button control
- Machine overall dimensions: 1020 mm (a) x 825 mm (b) x 1450 mm (c)
- Machine weight: 280 Kg

AS 221 GA – Thermal break profile assembly unit

TECHNICAL DETAILS
- Two-speed three-phase motor 0,7 – 1,1 kW – 380 V – 50/60 Hz
- Forward-reverse bar control
- Assembly discs adjustment by means of a single control device, equipped with a decimal display; every disc is provided with an independent device for the fine adjustment
- Vertical guide roller adjustment by means of a single control device, equipped with decimal positioner and pneumatic damper for slight differences among profiles
- Profile twisting correction: +/- 2 mm by eccentric roller
- Machine overall dimensions: 1410 mm x 1180 mm x 1580 mm
- Machine weight: 1.050 kg

Thermal break profile assembly equipments

CNC Machines

AS 260 GA – Numeric control assembly unit

TECHNICAL DETAILS
- CN thermal break profile assembly machine with 6 fully controlled axes
- Four pairs of assembling disks Ø288 millimetre with automatic adjustment of the distance depending on the height of the polyamide bars
- Automatic system for increasing the bar advancement speed at the entrance
- Automatic system for decreasing the bar advancement speed at the exit
- Clamping system equipped with 8 driven disc shafts with automatic adjustment of the disc closing load
- Additional adjustable rollers to support the profiles with particular shapes
- Three-phase motor 2,2 Kw – 400 V – 50/60 Hz equipped with inverter
- Forward-reverse bar control
- Bar feed speed: up to 105 m/min
- Automatic disk closing load adjustment according to any small deformation of the profile
- Pneumatic system for profile vertical containing and automatic adjustment of the roller loading according to any small deformation of the profile
- Manual twisting correction operated by CN
- PC Touch Screen with monitor LCD 15”
- Machine overall dimensions: 2068 mm (a) x 1440 mm (b) x 1910 mm (c)
- Machine weight: 2160 Kg

Automatic profiles handling devices

Oemme offers a wide choice of profiles handling equipment. Single and double buffer conveyors are available to increase the productivity and reduce the manpower
Automatic polyamide inserting machine are also available

Grip tester

AS 251 M – Powered grip tester for thermal break profiles

TECHNICAL DETAILS
- Idle rollers device on bearings to keep straight the profile vertical wise according to norm EN14024.
- The loading cell detects and visualizes the maximum thrust during the stroke and allows the data downloading on external PC
- Mono phase electric supply 230 V – 50/60 Hz
- Pusher feed speed: 5 mm/min. (constant)
- Test sample length: 100 mm (+/-1)
- Profile max height : 250 mm
- Machine overall dimensions: 1050 mm (a) x 280 mm (b) x 720 mm (c)
- Machine weight: 135 kg

Automatic assembly equipments

Thanks to decades of experience in the field of window and door frames, OEMME s.p.a. tailors thermal break assembly equipments to fit any customer’s requirements. OEMME s.p.a. plans the equipments according to the requested productivity of bars, the available place and any particular customer’s demand for an optimal lay-out without ever overlooking the safety of the operator

Several automatic solutions are available

AS 250 M – Grip tester for thermal break profiles

- TECHNICAL DETAILS
- Continuous adjustment thrust from 0 to 1000 Kg
- Feed and automatic independent opening of the thrust unit by push-button control
- Test sample length: 100 mm (+/-1)
- Max. height of the profile support table at thrust point: 120 mm
- Machine overall dimensions: 340 mm (a) x 220 mm (b) x 450 mm (c)
- Machine weight: 35 Kg

www.oemmespa.com

Export Department
Via F.L. Ferrari, 23
44122 FERRARA – ITALY
Tel. +39.0532.777418
Fax +39.0532.777477
e-mail: *sales@oemmespa.com*

Sales Office Italy
Via Cavallotti, 16
42122 REGGIO EMILIA – ITALY
Tel. +39.0522.271275
Fax +39.0522.923879
e-mail: *vendite@oemmespa.com*

Head Office and Production
Via F.L. Ferrari, 23
44122 FERRARA – ITALY
Tel. +39.0532.777411
Fax +39.0532.777444
e-mail: *info@oemmespa.com*