

# EQUIPMENT & MACHINERY

uni\_one  
TECHNOLOGY

REVISION No.1  
del 31/08/22



## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-900**

**CNC CENTRE FOR MACHINING UNI-ONE WOODEN PROFILES**

### DESCRIPTION:

CNC machining centre designed for machining uni-one wooden profiles, with dedicated software and including templates for assembly at 45° and 90°. In accordance with European accident prevention and risk prevention regulations, the machine is fitted with rear and side guards made up of metal grilles, complete with a door with safety micro switch. The front of the machine, near the workbench, is protected by light curtains.

### CHARACTERISTICS:

- The steel base on which the worktop is installed is completely free from lateral obstacles at both the infeed and outfeed, thereby making it easier to machine long profiles.
  - X Axis:*
    - Movement with a brushless motor with a pinion featuring tilted ground teeth on a rack. Available stroke from 0 - 1300 mm. Movement speed 70 m/min.
  - Asse Y:*
    - The vertical positioning takes place via a worm screw with a female ball recirculation screw. The speed can be programmed. Movement speed 20 m/min.
  - Asse Z:*
    - Movement takes place via a ball recirculation axis on a carriage with dual slide block. The speed can be programmed. Movement speed 20 m/min.
- The work area of the phenolic laminate bench has a total width of 1300 mm.
- Simultaneous head machining without additional movements of two pieces ("pendulum mode").
- Each stopper is fitted with two mobile concealed stopping devices under the 50 mm surface.
- The pieces are locked into place by 4 vertical perpendicular pressing devices supported by a fixed supporting bar.
- The pressing devices are positioned manually with the possibility of easily moving on the supporting bar.
- For drilling at 45°, on the work surface, a manually removable Inclined template is included.
- Double consent 2 + 2, software function dedicated to locking mounted in double step.

### SUPPLIES:

- Monitor with mouse and keyboard, external USB flash drive to upload data.
- MCR-900KIT: complete kit of drills and milling-cutters for MC-900 with related spare parts.
- Left (LH) Horizontal milling unit:
  - ER32 clamp tip-holder spindle to block the milling cutter max Ø16 mm with a rotation speed that can be set from 3000 to 12,000/rpm. 3.7 kW
  - X axis: available unit stroke 0 - 1300 mm. Z axis: milling depth 0 - 60 mm. Y axis: machined panel thickness 0 - 100 mm. Y axis: piece passage thickness 0 - 200 mm.
- Right (RH) Horizontal milling unit:
  - ER32 clamp tip-holder spindle to block the milling cutter max Ø16 mm with a rotation speed that can be set from 3000 to 12,000/rpm. 3.7 kW
  - X axis: available unit stroke 0 - 1300 mm. Z axis: milling depth 0 - 60 mm. Y axis: machined panel thickness 0 - 100 mm. Y axis: piece passage thickness 0 - 200 mm.
- Horizontal drilling unit 5x32:
  - drilling depth max. 60mm: 5 tip-holder spindles with grub screw lock to block the Ø10 mm tip with adjustable rotation speed controlled by an electronic inverter: speed 0-4500 rpm. 1.5 kW
  - X axis: available unit stroke 0 - 1300 mm. Z axis: drilling depth 0 - 60 mm. Y axis: machined panel thickness 0 - 100 mm. Y axis: piece passage thickness 0 - 200 mm.

TpaEDI32 Licence (software for the programming of the office panel) + ALBATROS 3.0 Licence + Srema WrapList (machine management and supervision software) + Srema Barcode Manager (scanner barcode management)

### SUMMARY OF TECHNICAL SPECIFICATIONS:

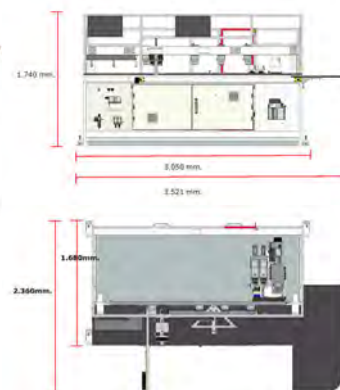
Dimensions	3521x2360x1740 mm
Power Supply	400 VOLT - 50 HZ, THREE-PHASE + EARTH
Weight	2200 kg



### MCR-900KIT TOOLS SUPPLIES:

- MCR-904D: HM drill Ø4 40x70 RIGHT A.10x20 XTREM
- MCR-907S: HM drill Ø7 50x85 LEFT A.10x27
- MCR-908D: HM drill Ø8 50x85 RIGHT A.10x27
- MCR-910D: HM drill Ø10 50x85 RIGHT A.10x27
- MCR-912S: HM drill Ø12 50x85 LEFT A.10x27
- MCR-916D: Milling-cutter for locks 16x45x150 RT2 RIGHT
- MCR-916S: Milling-cutter for locks 16x45x150 RT2 LEFT

Equipment Photo



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REVISION No.0  
of 22/11/17

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-062**

### BENCH FOR ASSEMBLING UNI-ONE WOODEN PROFILES

#### DESCRIPTION

Ideal bench for assembling door and window frames/subframes.

#### SUPPLIES and CHARACTERISTICS

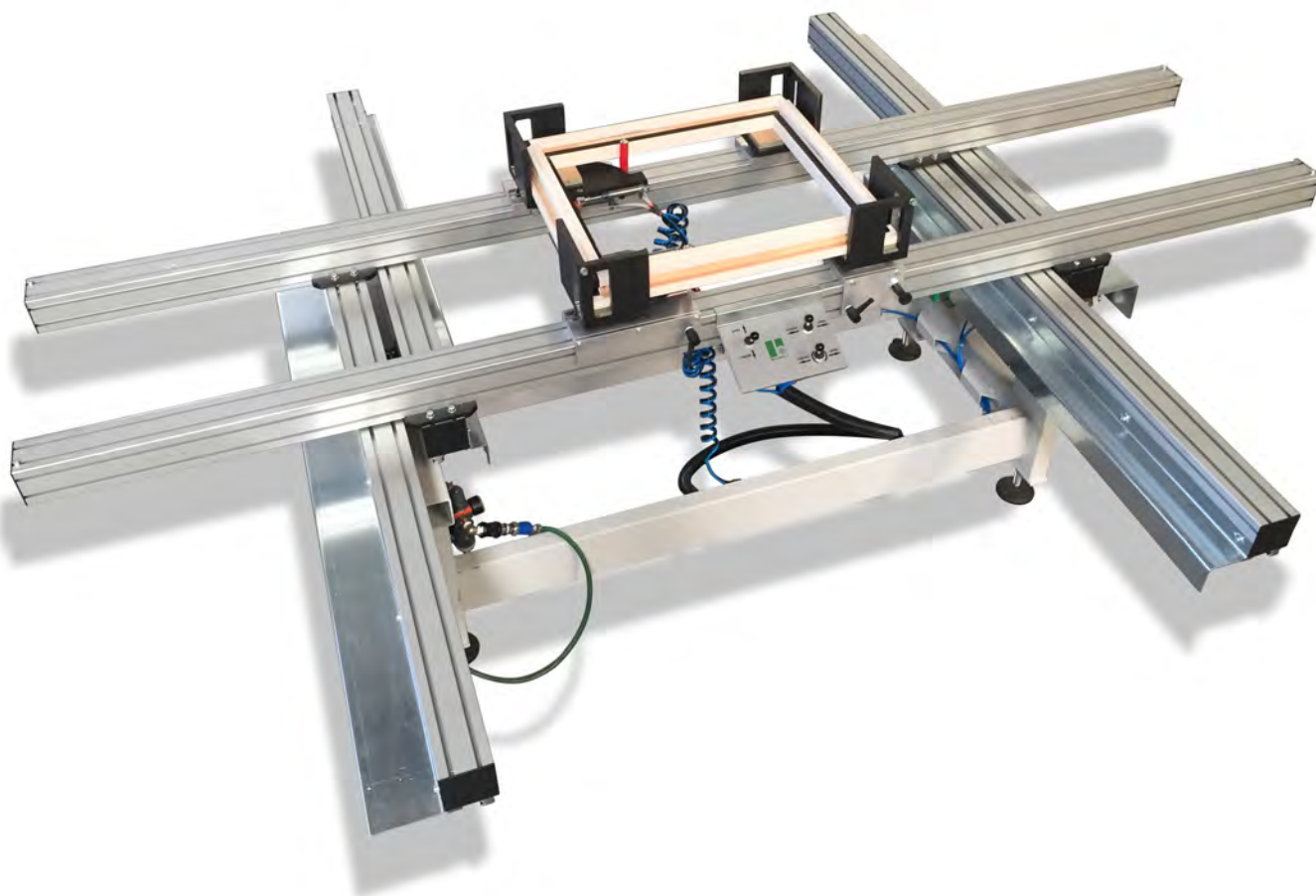
- The crossbar can be fixed to the jambs vertically using the manual pneumatic controls.
- Self-centring horizontal closure.
- The 90 degree corners are drilled to accommodate the fasteners.

#### SUMMARY OF TECHNICAL SPECIFICATIONS:

Overall dimensions	3000x1800x950 mm
Transport dimensions	2500x900x1050 mm
Weight	240 kg

#### DIMENSIONAL OPERATING LIMITS:

MAXIMUM work measurement	3000x2500 mm
MINIMUM work measurement	430x450 mm



Equipment Photo

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**LACV-98**

**VERTICAL PNEUMATIC CRIMPING MACHINE**

### DESCRIPTION

Pneumatic vertical crimping machine with self-centring device for assembling aluminium profiles.  
All components required\*\* for the uni\_one system are given below.

NOTE: \*\* Including punch platform MVX42603, punches LAPZ33 (jams) and slide LAC-SL15

### SUMMARY OF TECHNICAL SPECIFICATIONS:

Internal cylinder diameter	184 mm
External cylinder diameter	200 mm
Available rod stroke	30 mm
Operating pressure	6 BAR
Force	3000 kg
Air Input	18.6 NI per cycle
Weight	67.5 kg
Dimensions	1180x900 H1450

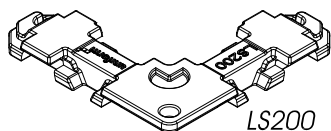
### FORMULATION OF **KITS** FOR LACV-98 SUITABLE FOR CORNER JOINT **LS200**

#### LAK08

**STANDARD KIT** FOR CRIMPING MACHINE uni\_one SYSTEMS:

- Standard
- Coplanar
- Flat
- Drop
- Lift & Slide
- Entrance Door

<b>LAC-SP2.5</b>	1 pc	Upper spacer 2.5mm thick
<b>LAC-SP3</b>	1 pc	Upper spacer 3mm thick
<b>LAC-SP5</b>	1 pc	Upper spacer 5mm thick
<b>LAC-SP12</b>	1 pc	Upper spacer 12mm thick
<b>LAC-SP13</b>	1 pc	Upper spacer 13mm thick
<b>LAC-SL10S</b>	1 pc	Lowered spacer slide 10mm thick
<b>LAC-SS1188</b>	1 pc	Slide support for Flat and Coplanar sashes
<b>LAC-SB31</b>	6 pc	Lowered bench supports H=31.5mm



LS200

### Parts for LACV-98 punching machine

Punches	<b>MVX42603</b>	Standard punch platform	
	<b>LAPZ-33</b>	Pair of punches H=33mm (set of 2pc)	
Upper spacers	<b>LAC-SP2.5</b>	Upper spacer 2.5mm thick	
	<b>LAC-SP3</b>	Upper spacer 3mm thick	
	<b>LAC-SP5</b>	Upper spacer 5mm thick	
	<b>LAC-SP12</b>	Upper spacer 12mm thick	
	<b>LAC-SP13</b>	Upper spacer 13mm thick	
Sledges / Supports	<b>LAC-SL10S</b>	10mm thick slide	
	<b>LAC-SL15</b>	15mm thick slide	
	<b>LAC-SS1188</b>	Slide support for Coplanar - Flat - Drop	



Equipment Photo

REVISION No.2  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**LAC-CRAB XL**

**HORIZONTAL PNEUMATIC CRIMPING MACHINE**

**DESCRIPTION**

Horizontal pneumatic crimping machine with roller conveyor. This equipment requires installation of the MCR-900KIT kit

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Maximum thrust on each cutter	1100 kg
Cutters approaching stroke adjustment	manual with ring nut and manual 6-selection selector
Carriage positions	with decimal counter
Carriage stroke	90 cm
Cutters opening	min 12mm - max 119mm
Total air consumption	25 Nl
Weight	130 kg
Operating pressure	7 BAR



**SUPPLIES:**

<b>LAPZ-40332</b>	2 pairs	Pair of punches, thickness 4mm
<b>LAPZ-1123</b>	2 pairs	Pair of punches, thickness 3mm

Equipment Photo



REVISION No.0  
of 29/09/08

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**LACV-01**

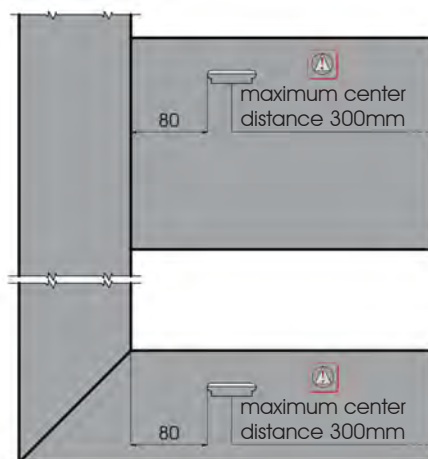
**PUNCHING MACHINE**

**DESCRIPTION**

Punching machine for water drainage slots

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Internal cylinder diameter	184 mm
External cylinder diameter	200 mm
Available rod stroke	30 mm
Operating pressure	6 BAR
Force	1600 kg
Total air consumption	200 l/min
Weight	22 kg



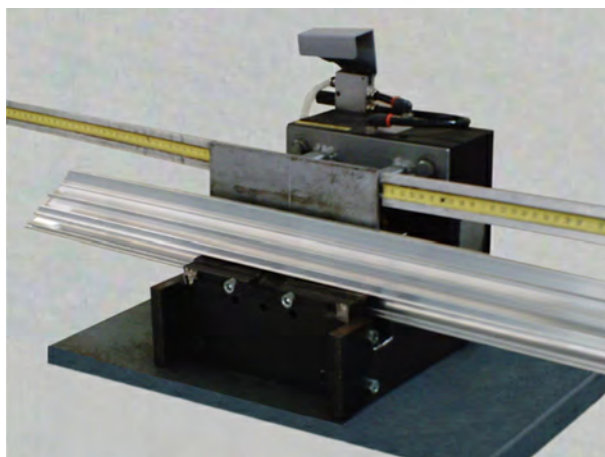
**LC807**

Painted aluminum frontal  
water drainage accessory

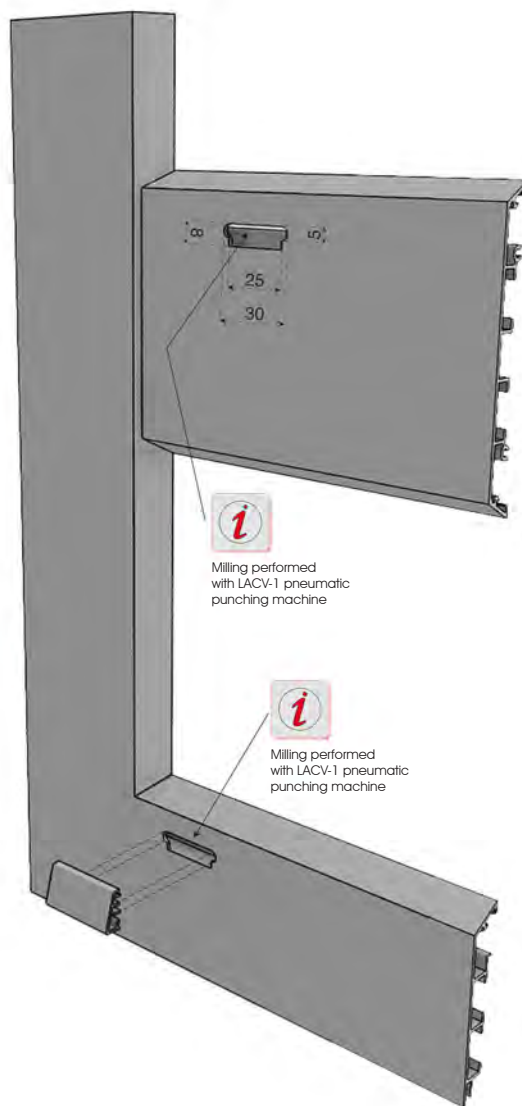


**LC11**

Plastic ABS frontal water  
drainage accessory



Equipment Photo



REVISION No.1  
of 21/11/17

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-050**

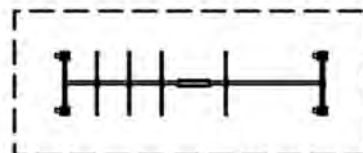
**6m BAR CARRYING TROLLEY**

**DESCRIPTION**

Trolley for the horizontal storage of extruded bars

**SUPPLIES**

- 2 vertical sections
- PVC-coated surfaces
- Adjustable central supports
- 4 swivel wheels with brake support



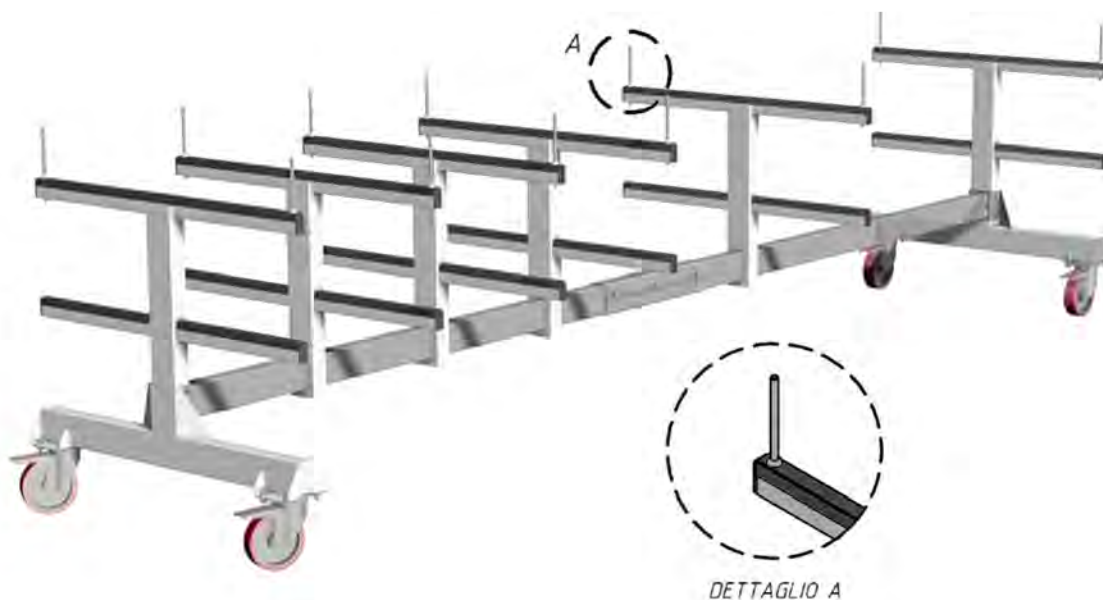
**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Weight

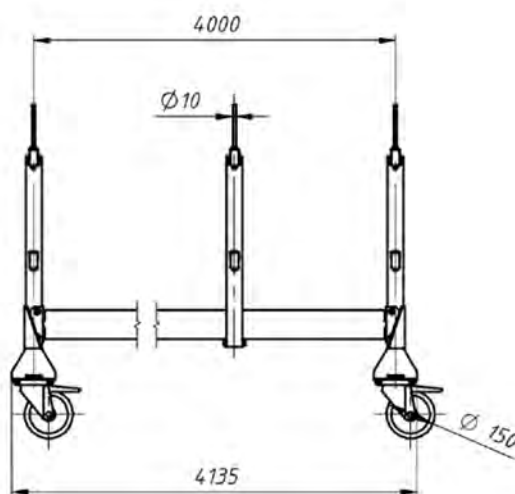
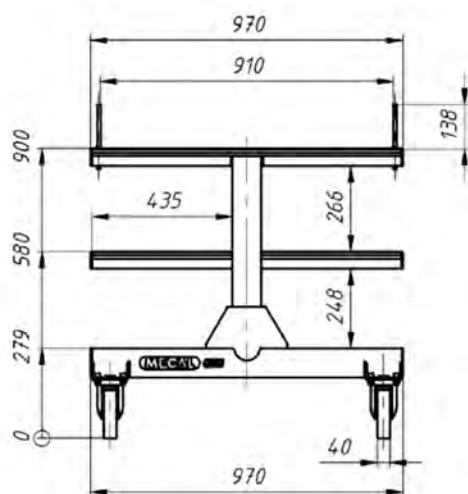
88 kg

Capacity

512 kg



DETTAGLIO A



Equipment Photo

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REVISION No.1  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-051**

**TROLLEY FOR CARRIAGE AND STORAGE OF SASHES/FRAMES**

**DESCRIPTION**

Trolley for carriage and storage of sashes/frames

**SUPPLIES and CHARACTERISTICS**

- Contact surfaces coated with non-scratch and shock-proof PLASTIC material
- Rollers for sash carriage
- 4 wheels Ø125 mm, 2 of them equipped with locking device
- Profiles storage on two sides
- Support: 560 Kg
- 9 compartments with working size 84 mm
- N° 10 couples of posts
- Square section frame
- Carton packing

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Assembled trolley dimensions	1282x1617x912 mm
Packaging dimensions	1760x330x970 mm
Item weight	110 Kg
Weight with packaging included	130 Kg



Equipment Photo



REVISION No.1  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-052**

**TROLLEY FOR CARRIAGE AND STORAGE OF SASHES**

### DESCRIPTION

Trolley for carriage and storage of sashes/frames

### SUPPLIES and CHARACTERISTICS

- Contact surfaces coated with non-scratch and shock-proof PLASTIC material
- 4 wheels Ø125 mm, 2 of them equipped with locking device
- Rubber-coated supporting table
- 11 compartments with working size 109 mm
- Adjustable partitions in height
- Support: 550 Kg
- Carton packing

### SUMMARY OF TECHNICAL SPECIFICATIONS:

Assembled trolley dimensions	1738x1625x900 mm
Packaging dimensions	1770x330x960 mm
Item weight	82 Kg
Weight with packaging included	86 Kg



Equipment Photo

REVISION No.1  
of 24/06/18

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-053**

**TROLLEY FOR CUT PROFILES**

**DESCRIPTION**

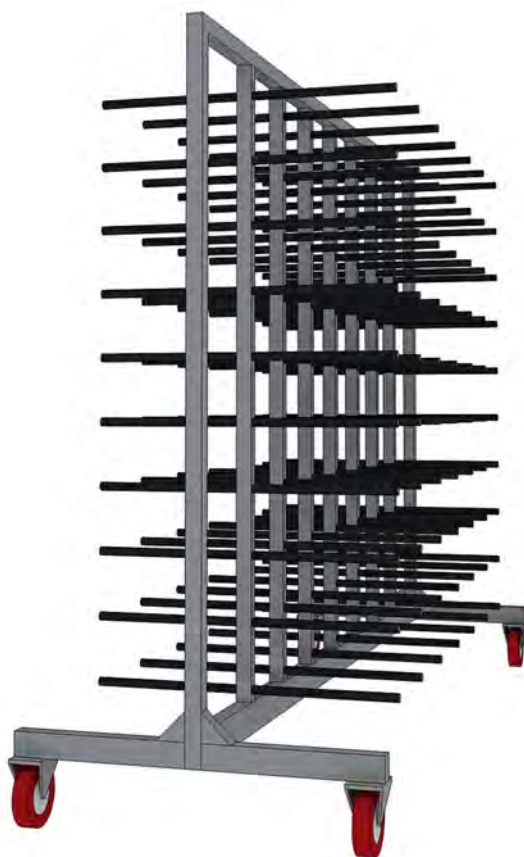
Trolley for positioning optimised profiles during cutting

**SUPPLIES**

- The pegs are covered with Ø 22 mm scratch-resistant, shockproof rubber tubes
- Braking wheels

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Dimensions	900x2600x1925 mm
Total number of pegs on the trolley	90 (10 for every jamb)
Number of jambs	7 + 2 supporting columns with pegs
Wheels	4 braking wheels Ø 125 mm
Weight	125 kg



Equipment Photo

REVISION No.1  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-054**

**TROLLEY FOR FINISHED/COMPLETED DOORS AND WINDOWS**

### DESCRIPTION

Trolley for positioning finished/completed doors and windows

### SUPPLIES and CHARACTERISTICS

- Contact surfaces coated with non-scratch and shock-proof PLASTIC material
- 4 wheels Ø125 mm, 2 of them equipped with locking device
- Castors with quick disassembly device for displacement to construction sites
- Kit for handling machine with forklift
- Square section frame
- Keys for wheels removal
- Support: 560 Kg
- Carton packing

### SUMMARY OF TECHNICAL SPECIFICATIONS:

Assembled trolley dimensions	1718x1657x912 mm
Packaging dimensions	1760x330x970 mm
Item weight	114 Kg
Weight with packaging included	130 Kg



Equipment Photo

REVISION N°1  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-070**

**GASKET INSTALLATION BENCH**

**DESCRIPTION**

Swivel bench for fixing gaskets on doors and windows

**SUPPLIES**

- Scratch-resistant, shockproof, rubber contact surfaces
- Adjustable guides
- Accessory tray

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

**Assembled trolley dimensions (adjustable guides)**

from 1620 to 2510 - from 1620 to 2510 - from 944 to 1200 mm

**Maximum capacity**

40 Kg



Equipment Photo



REVISION No.0  
of 20/06/18

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

MC-071

UNWINDING TROLLEY FOR GASKETS

**DESCRIPTION**

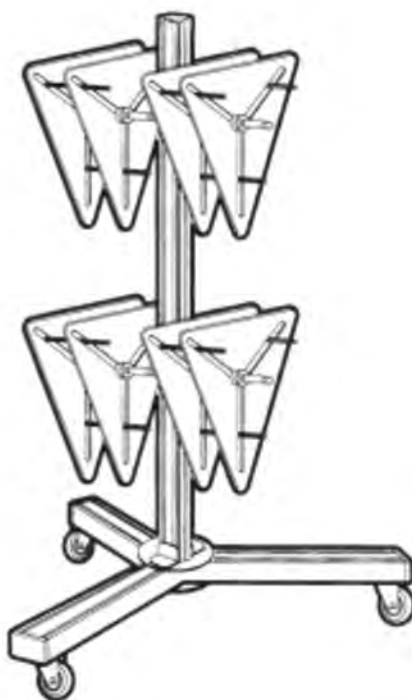
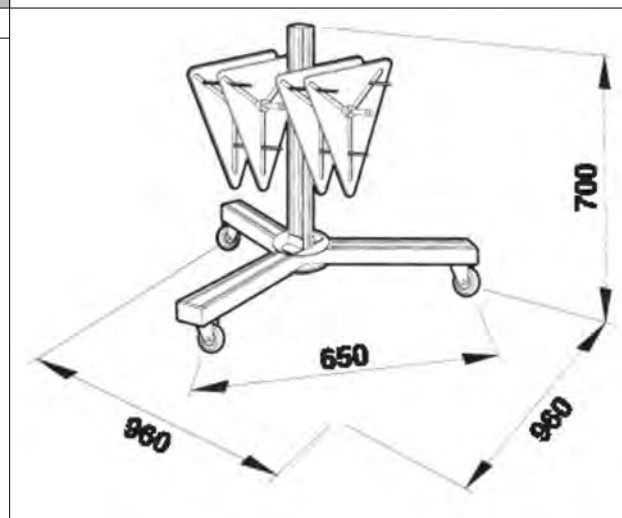
Unwinding trolley for gaskets

**SUPPLIES**

- Base with wheels
- 4 reels

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Trolley dimensions



Equipment Photo

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-060**

**HARDWARE BENCH**

### DESCRIPTION

Bench for fitting hardware with hardware vertical storage unit

### SUPPLIES and CHARACTERISTICS

- Handle hole with vertical-front positioning of the sash (hydraulic forward movement of the drilling unit)
- Reading and cutting Cremona bolts and scissors (hydraulic shears)
- \*Hydraulic punching machine for cutting hardware (parallel cut, types: MAICO MULTITREND, AGB, G-U, SIEGENIA TITAN)
- Hardware screwing with servo-powered screwdriver
- Works plan height 900 mm
- Table pneumatic tilting 0° - 14°
- Working tools fitted on linear guides with high precision balls recirculation slides
- Cutting frame direct dimension
- Frames pneumatic locking
- Hardware vertical storage unit, 15 compartments
- Packaging with individual wooden crates

\*standard equipment / for the alternatives models, type MAICO MULTIMATIC, type ROTO, type WINKHAUS AUTOPILOT are replacement modules to be provided during the definitive equipment definition phase

### SUMMARY OF TECHNICAL SPECS ABOUT HARDWARE BENCH

Operating dimensions	3275x1850x1200 mm
Item weight	390 Kg
Packaging dimensions	3540x1950x1260 mm
Weight with packaging included	XXX Kg
Maximum support	200 Kg
Operating pressure	8 bar
Total air consumption	31,4 NL/cycle
Operating maximum frames dimension	2500x2500 mm



### SUMMARY OF TECHNICAL SPECS ABOUT VERTICAL STORAGE UNIT

Operating dimensions	3210x909x2226 mm
Item weight	220 Kg
Packaging dimensions	3340x1100x500 mm
Weight with packaging included	XXX Kg
Maximum support	300 Kg



Equipment Photo

REVISION No.0  
of 29/09/18



## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

MC-091

GLASS MANIPULATOR

### DESCRIPTION

Pneumatic suction cup manipulator able to easily move any type of glass in any direction.  
Complete with all safety devices, it allows the operator to work quickly, accurately, easily and without risks.

### SUMMARY OF TECHNICAL SPECIFICATIONS:

Maximum capacity	200 kg			
Volume	3250.00 mm			
Height	3400 mm			
Total air consumption	80 l/min			
Movement	Horizontal	Vertical	Rotation from 0 to 90°	Movement radius 3.65 metres



Equipment Photo

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REVISION No.1  
of 01/09/22

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-080**

**DOOR AND WINDOW TEST BENCH**

### DESCRIPTION

Window and door testing is made easier thanks to the vertical upward movement of the bench, to the retractable locks, to the support surface that can be extended on two sides and to the concealed roller conveyor on the base.

### SUPPLIES and CHARACTERISTICS

- Contact surfaces coated with non-scratch and shock-proof PLASTIC material
- Air network for pneumatic tools
- Box for tools, bolts and screws
- Packaging with individual wooden crates

### SUMMARY OF TECHNICAL SPECIFICATIONS:

Dimensions	2940x2082x992 mm
Item weight	270 Kg
Packaging dimensions	1200x1200x1200 mm / 2100x300x300 mm
Weight with packaging Included	296 Kg
Maximum pneumatic angle inclination	85°
Manual rotation angle of the bench	360°
Operating maximum frames dimension	2600x2400 mm
Maximum support	130 Kg
Total air consumption	20 lt/min



Equipment Photo



REVISION No.0  
of 29/09/18

## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

ITEM NAME:

**MC-090**

**AUTOMATIC PACKAGING MACHINE**

**DESCRIPTION:**

Stretch film wrapping machine for wrapping doors and windows fitted with idler roller conveyor with manual product fastening device.

**SUMMARY OF TECHNICAL SPECIFICATIONS:**

Carriage	PFS: Variable motorised pre-stretch with stretch control
<b>MACHINE CHARACTERISTICS</b>	
Plate diameter	1800 mm
Table rotating speed	4 ÷ 12 rpm
Can be forklifted	Front and rear
Power supply voltage	230 Volt 1 Ph - 50/60Hz
Installed power	2 KW
Total air Input	20 l/min
Pre-stretch ratio	0-250%
Stopping in phase	(+/- 20mm)
Progressive start-up	STD
Idler roller conveyor on the plate	STD
<b>WORKABLE PRODUCT CHARACTERISTICS</b>	
Maximum dimensions (LxW)	1800 x 210 mm
Maximum available height	2700 mm
Minimum available height	950 mm
Maximum weight of the load	100 kg
<b>FILM REEL CHARACTERISTICS</b>	
Maximum external diameter (D)	300 mm
Film reel height (h)	500 mm
Film thickness	17 ÷ 35 µm
Internal diameter	76 mm
Maximum weight	20 kg



Equipment Photo

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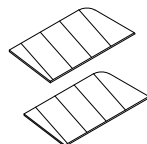
## TECHNICAL DATA SHEET: EQUIPMENT AND SUPPLIES

### TOOLS FOR GASKETS: **SASH**



Scissors for 90° linear cutting of gaskets

LF1



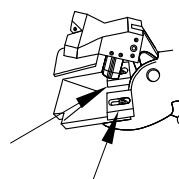
Pair of blades for LF4

LF2A



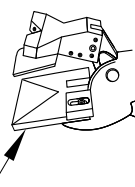
Scissors for 45° angle cutting of gaskets

LF4



Pair of gauge blocks for LF4

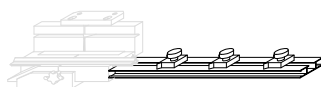
LF2C



Spare Teflon support for LF4

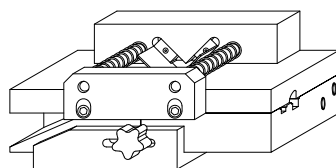
LF4D

### TOOLS FOR GASKETS: **FRAME**



Graduated rod for cutting the gaskets

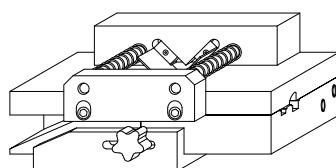
LF10



Equipment for cutting to size gasket DE100 and DE166



LF20



Equipment for cutting to size gasket DE156



LF22

Equipment Photo



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