



SINGLE-HEAD BORING MACHINES

BORING SYSTEM 29

Semiautomatic, multispindle, single-head boring machine

For **horizontal** and **vertical drilling** into **wood-based panels** and **solid wood**, for the **furniture manufacturing**.

- Small footprint: 1,5 sqm
- Two times faster than a manual boring machine

More than 20.000 machines manufactured, over thirty years' experience. 100% made-in-Italy machines abiding by the highest quality standards as a result of the "Lean" manufacturing process, also known as "Toyota System".

TECHNICAL FEATURES MODEL

Quick-change spindles

32 mm interaxis

Pneumatic head rotation from 0° to 90°

Well-dimensioned working table made of steel

Boring-height adjustment on numeric counters

Ready to be connected to a dust-collector

Manufactured according to EC standards

STANDARD EQUIPMENT

N.1 - 2HP Motor

N.2 patented safety hold-down clamps

N.5 quick-change chucks

N.2, 1500 mm long, aluminium fences, with 4 ref. stops

N.2 removable side-fences on working table, adjustable on high-precision numeric counters

N.2 fixed ref. stops at 37 mm for hinges

Boring-height adjustment on numeric counters

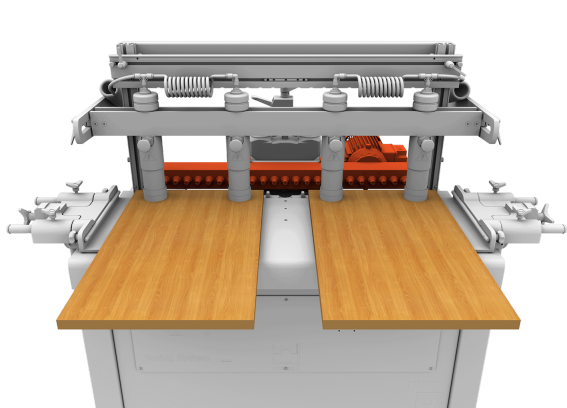
Rear fence having 300 mm max. stroke

Package: stackable carton box

Ready to be connected to a dust-collector

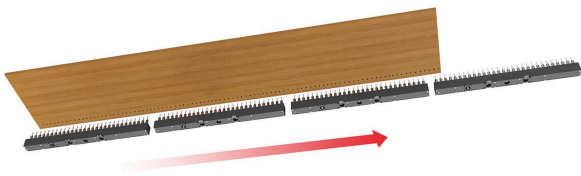
Manufactured according to EC standards

MORE INFORMATION



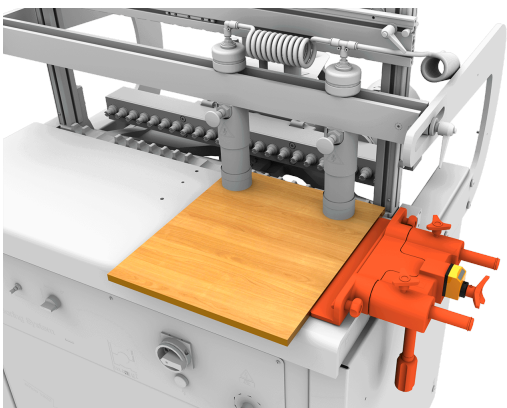
FAST HORIZONTAL DRILLING

Thanks to the 896 mm interaxis and the large working table, You can process 2 panels having 444 mm width at the same time.



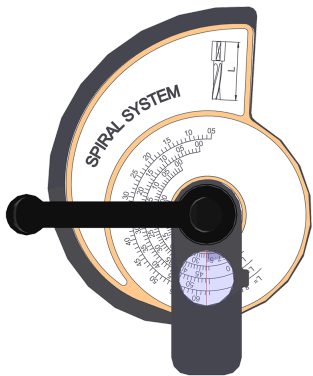
FAST VERTICAL DRILLING

You can process 3000 mm - long sides in 4 working cycles.



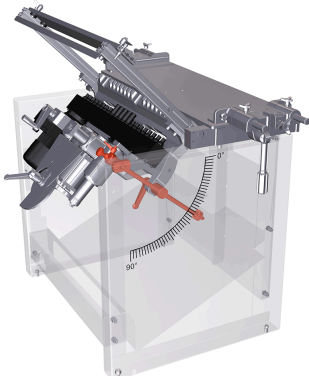
PERFECT PANEL JOINTS

The ref. side fences, adjustable on numeric counters, always represent a precise reference point, quick to set-up, and guarantee perfect parallelism of the drilling operations.



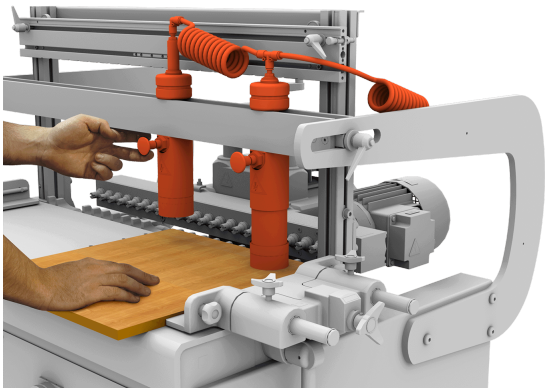
QUICK SET-UP

Adjusting the boring depth is extremely easy with the "Spiral System" device and the 10 mm automatic reset for vertical drilling.



VERSATILITY

It drills at any angle between 0° and 90°.



SAFE PANEL HOLD-DOWN

The quick-positioning, safety, hold-down clamping units ensure the greatest stability and steadiness of the working piece during the working cycle and the highest accuracy of the drilling process.

MORE INFORMATION



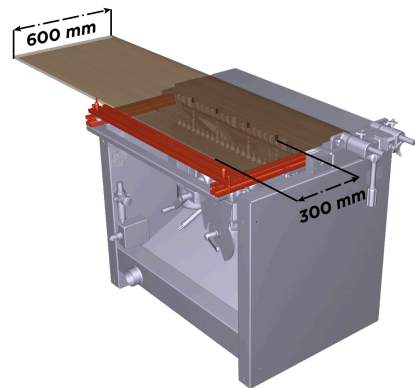
PRODUCTIVITY

Two times faster than a bench top boring machine.



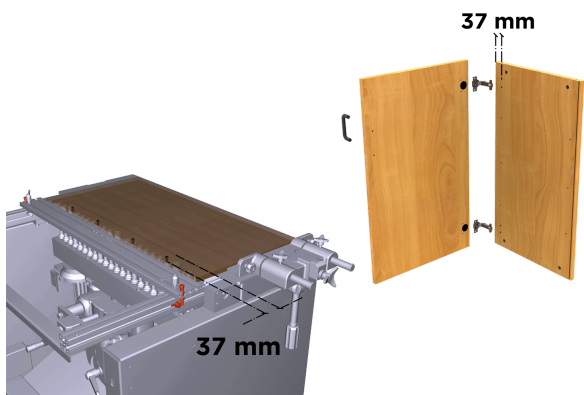
QUICK AND ACCURATE PANEL POSITIONING

Thanks to the two aluminium fences 1500x 80 mm with 4 reference stops.



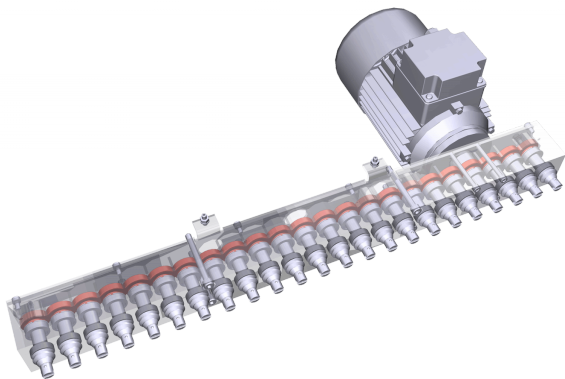
REAR FENCE

The rear fence, 300 mm stroke, allows to drill holes right in the middle of wardrobe side-panels, without using the long fence.



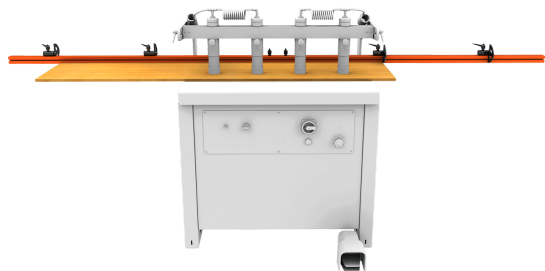
FIXED STOP FOR HINGES

The 37 mm fixed ref. stop is extremely useful to drill fixing holes for the hinges on side panels.



SOLID STRUCTURE

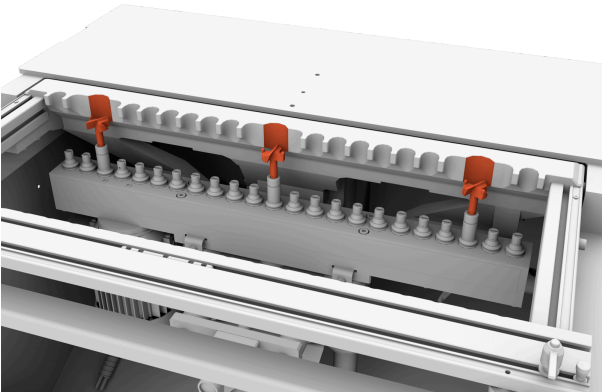
Made of steel, built to last, eco-friendly, rust-resistant powder coating. Boring head is made of aluminium, while internal gears are made of rectified steel.



QUICK AND ACCURATE PANEL POSITIONING

Thanks to the two aluminium fences 1500x 80 mm with 4 reference stops.

MORE INFORMATION



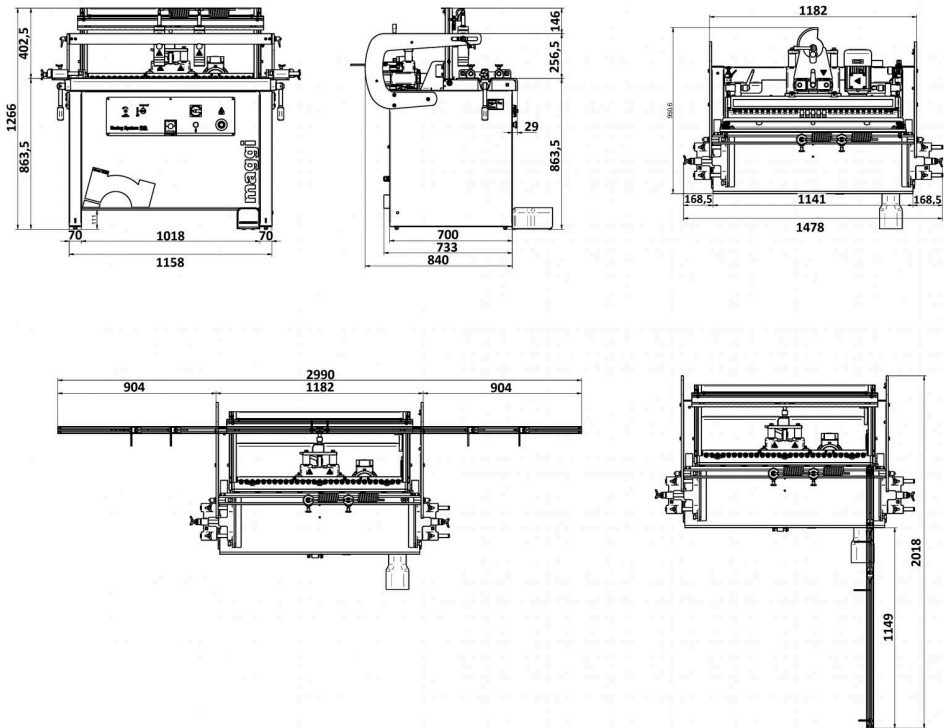
SPECIAL DESIGN TO WORK WITH LARGE-DIAMETER DRILL-BITS

The comb has been designed so as to have 3 fixed positions where You can use cutter-drill bits of large diameter, without any further adjustment of the boring head.



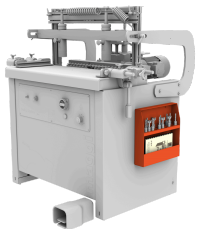
DATA SHEET

| | |
|-----------------------------------|--------------------------|
| Spindles | N. 29 |
| Left and right spindles | N. 14 - N. 15 |
| Spindle interaxis | 32 mm |
| Total interaxis | 896 mm |
| Max. tool diameter | 40 mm |
| Max. boring depth | 65 mm |
| Max boring height | 55 mm |
| Height of working table | 860 mm |
| Dimensions of the working table | 1141 x 350 mm |
| Max. panel thickness (optional*) | 60 mm (130 mm *) |
| Max. panel dimensions | 1156 x 3000 |
| Motor | HP 2 / KW 1,5 - RPM 2800 |
| Stepper motor 1 | |
| Stepper motor 2 | |
| Linear actuator | |
| Standard pneumatic pressure | BAR 6/8 |
| Air consumption per working cycle | 10 NL |
| Dust collection hood diameter | 80 mm |
| Overall dimensions - net weight: | 1480 x 950 x 1300 mm |
| Package dimensions (machine) | 1250 x 950 x 1050 mm |
| Rod packaging size | 1500 x 120 x 60 mm |
| Gross weight | kg 344 |
| Net weight | kg 300 |



ACCESSORIES

Ergonomics

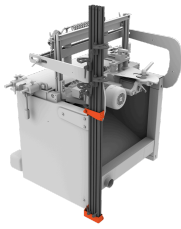


Tool-tray

To keep Your drill-bits and tools tidy and always close at hand

CODICE: 26000014

Ergonomics

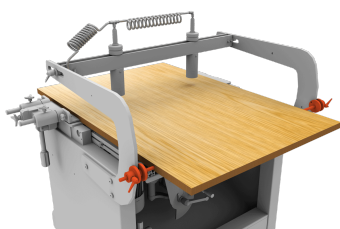


Stand for the long fences

To keep Your fences always close at hand

CODICE: 26000010

Specific for long panels



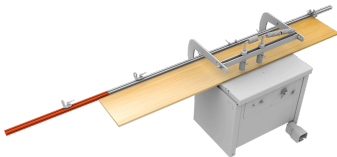
Ref. stops to match the long panel

It keeps long working panels aligned for a more accurate drilling process

N. 2 ref. stops to match the long panel during transversal drilling

CODICE: 26001071

Specific for long panels

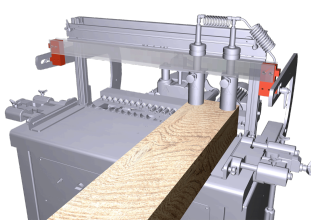


1000 mm long fence extension

To increase by 1 mt the length of the 2 standard fences (1,5 mt each) and carry out the in line drilling process on long panels

CODICE: 29970302

Increase the versatility

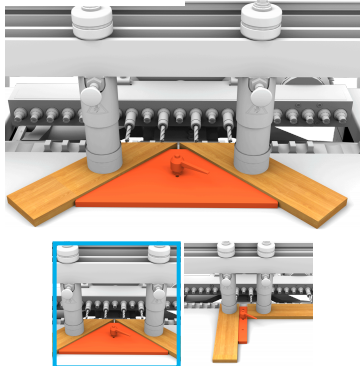


Blocks to lift the hold-down clamps up to 130 mm

To process beams having a maximum height of 130 mm

CODICE: 26001015

Increase the versatility



Set of two ref.stops for drilling at 45° and 90°

To drill mouldings and laths

CODICE: 26000069 A / 26000069 B

ACCESSORIES

Quicker set-up

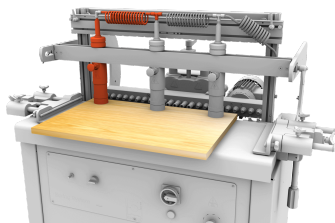


Set of n° 2 additional ref. stops

For an even quicker and more accurate set up

CODICE: 26028819

Enhance the hold-down on the workpiece



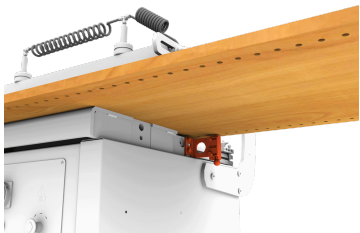
Additional hold-down clamp

To increase the hold-down pressure on the working panel and consequently its stability during the drilling process

N.1 additional hold-down clamp

CODICE: 29971019

Increase the accuracy of the working process



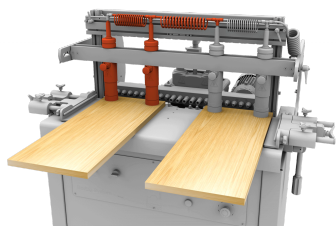
Ref. pin for line drilling

To carry out the line vertical drilling process very quickly and accurately, without using the long fence. It is highly recommended to have this device both sides of the machine to process panels longer than 2 mt

Ref. pin for line drilling (1 piece)

CODICE: 29900100

Enhance the hold-down on the workpiece



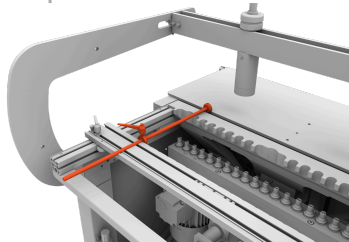
Additional hold-down clamps

To increase the hold-down pressure on the working panel and consequently its stability during the drilling process. It allows to process two small panels at a time

N.2 additional hold-down clamps

CODICE: 29971020

Quicker set-up



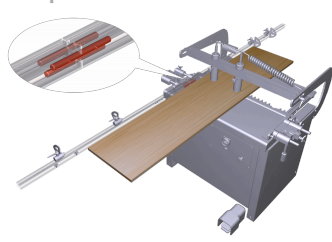
Ref. gauge for rear fence parallelism

For a quick and accurate set-up of the rear fence

Ref. gauge for rear fence parallelism (500 mm)

CODICE: 26000061

Quicker set-up



Kit to join the two aluminium fences

To get one single 3mt long fence

Kit to join the two aluminium fences (1500 + 1500 mm)

CODICE: 26028820

ACCESSORIES

Quick-drill of hinge holes



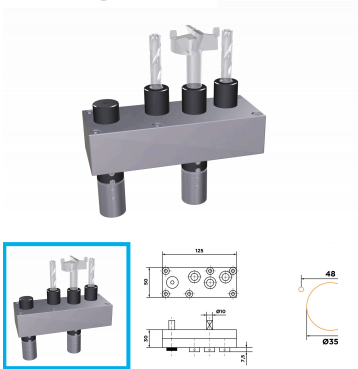
Drilling aggregate for hinges, type "Grass"

To drill the three hinge holes in one single working cycle

DRILL-BITS NOT INCLUDED

CODICE: 00008395

Quick-drill of hinge holes



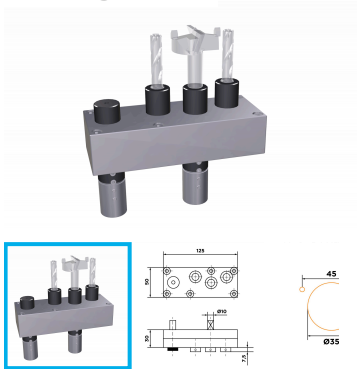
Drilling aggregate for hinges, type "Salice"

To drill the three hinge holes in one single working cycle

DRILL-BITS NOT INCLUDED

CODICE: 00008391

Quick-drill of hinge holes



Drilling aggregate for hinges, type "Blum"

To drill the three hinge holes in one single working cycle

DRILL-BITS NOT INCLUDED

CODICE: 00008392

Quick-drill of hinge holes



Drilling aggregate for hinges, type "Hettich"

To drill the three hinge holes in one single working cycle

DRILL-BITS NOT INCLUDED

CODICE: 00008393

Recommended tools



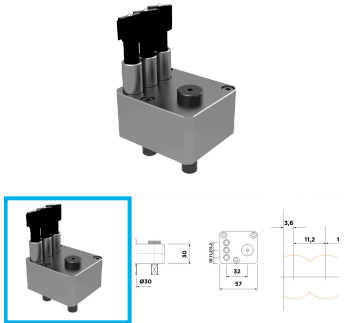
Tool set made up of 3 drill-bits for hinges

Recommended drill-bit set for drilling aggregate for hinges, made up of n. 2 left-handed drill-bits 8mm diameter and n.1 right-handed drill-bit 35 mm diameter

Tool set made up of 3 drill-bits for hinges

CODICE: 26845821

Quick-drill of holes for Cabineo furniture connector



Drilling aggregate for "Cabineo" connectors

To drill the holes for the "Cabineo" connectors in one single working cycle

Drilling aggregate for "Cabineo" connectors, including 3 drill-bits 15 mm diam.

CODICE: 26845820

ACCESSORIES

Recommended tools

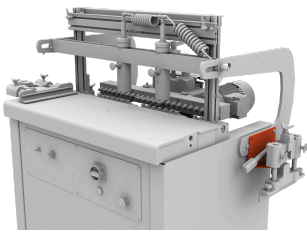
| | DX/SX | DIAMETRO (mm) | LUNGHEZZA (mm) | QUANTITA' |
|---|-------|---------------|----------------|-----------|
| ↓ | DX | 8 | 57,5 | 2 |
| | SX | 8 | 57,5 | 2 |
| ↓ | DX | 8 | 77 | 2 |
| | SX | 8 | 77 | 2 |
| ↓ | SX | 15 | 70 | 1 |
| | DX | 15 | 70 | 1 |
| ↓ | DX | 20 | 70 | 1 |
| | SX | 20 | 70 | 1 |
| ↓ | DX | 5 | 57,5 | 3 |
| | SX | 5 | 57,5 | 3 |
| ↓ | SX | 35 | 57,5 | 1 |
| | DX | 35 | 57,5 | 1 |

Recommended drill-bit set

A selection of drill-bits by our technicians for a professional approach

CODICE: 26054750

Ergonomics

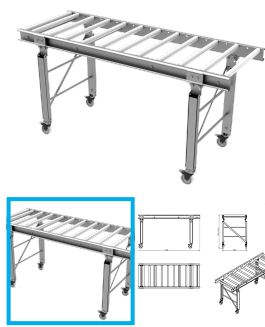


Kit of n° 2 stands for the side fences

To keep side fences always close at hand

CODICE: 26000012

Improve the comfort



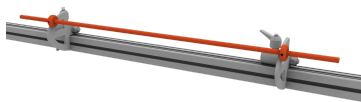
Independent idle-roller table 500x1500 mm

To make the handling of large-size panels easier for the operator

Independent idle-roller table 500x1500 mm (idle-roller surface only) 562x1540 mm (incl.frame), adjustable height from 770 to 1.175 mm, max. capacity 45 Kg/m. It can be installed both sides of the machine

CODICE: 27304100

Quicker set-up



Ref. gauge for the quick set-up of the ref. stops along the fence

For the quick and accurate adjustment of the ref. stops along the fence, when carrying out the ine drilling process

Ref. gauge for the quick set-up of the ref. stops along the fence (896 mm)

CODICE: 26001059

Special voltages

Single-phase Motor

To have the machine working in small handcraft shops having an electric system running on 220 VItS

CODICE:

Special voltages

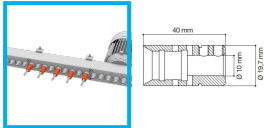
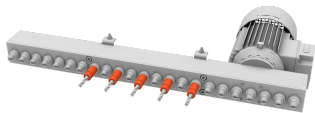
"CSA" standards

Electrical standards abiding by the Canadian wiring regulations

CODICE:

ACCESSORIES

Ergonomics



Quick-change bush / chuck

By using these quick-change tool-holders,
You can mount Your drill-bits on the boring
head in just "one click"

CODICE: 36000061