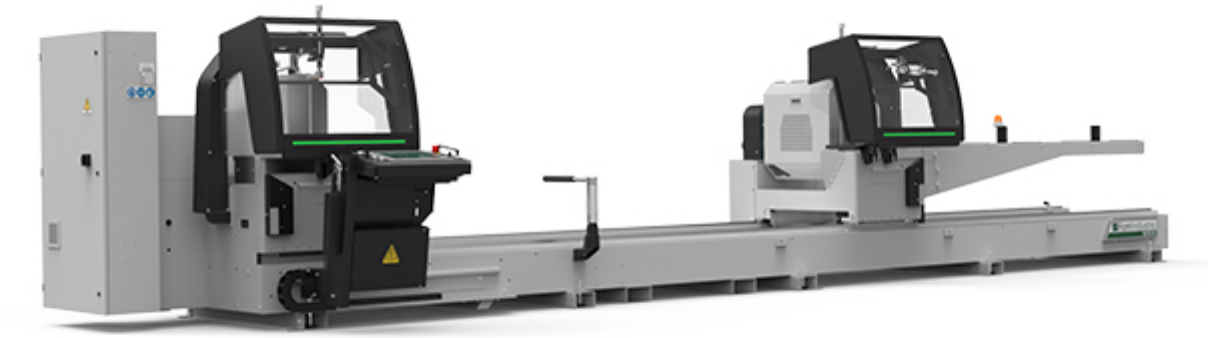
BLITZ 60 - BLITZ 55 - BLITZ 50

Double head sawing machine with motorized movement of the mobile head and electronic control of the head tilting



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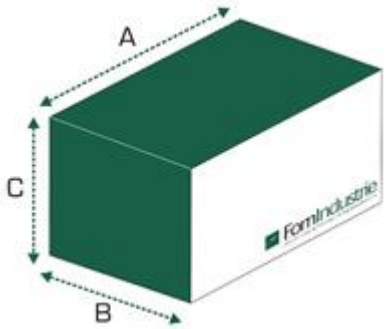


Ver.	A (mm)	B (mm)	C (mm)	Kg
5 m.	7050	2000	2070	2400
6,6 m.	8630	2000	2070	2600

*Ingombro rulliera testa mobile A + 2200 mm
(alla max. lunghezza di taglio)

Power supply	Total power installed	Air consumption for work cycle	Working pressure
3F - 380÷415 V - 50 Hz	5,9 kW	53 NL/cycle	7 bar

Technical specifications:

- First head fixed, second head mobile with automatic positioning. Positioning carried out by servomotor and reducer with centesimal precision
- Maximum cutting distance between the two heads: 5 - 6.6 m depending on the version supplied (can be increased with dedicated software, optional)
- Cutting precision ± 0,15 mm
- Motor-driven cutting head tilted by means of a recirculating ball screw and nut offering high precision, repeatability and reliability
- Cutting angles vary according to the machine model, with electronic control of all graduations:

- from 10° to 135° Blitz 50
- from 12° to 135° Blitz 55
- from 20° to 135° Blitz 60

±0,05° precision and repeatability

- No. 2 tungsten carbide saw blades Ø 500 (Blitz 50) Ø 550 (Blitz 55) Ø 600 (Blitz 60) mm
- Hydraulic blade exit speed control (adjustable blade exit speed - rapid retraction)
- Cutting zone guards
- Machine state indicator LEDs
- No. 4 horizontal vices which have a patented push system with a vertical component to guarantee contact with the machine horizontal table
- No. 2 vertical vices on internal side of the blade, automatically excludible for cuts with internal angles between 90° and 110°
- Movable head roller table 2,5 m
- Minimum quantity lubrication (MQL) with pure oil
- Direct motor to blade transmission
- Blade motors 2,2 kW – 2800 rpm.
- Electric panel separate from pneumatic panel in lateral position
- Set-up for the installation of a chips and fumes extraction system
- Horizontal profile support tables in ground hardened steel and vertical in stainless steel
- Set up for the installation of a central motor-driven conveyor belt for collecting waste material and chips including inclined end
- Flashing lights to warn when the machine is in operation
- Electric brake to stop the blade in less than 10 seconds
- Rapid cluth tap for the easy connection and disconnection of the vertical vices
- Pneumatic circuit mounted directly on the heads for increased speed and ease of calibrating the pneumatic parts regardless of machine length

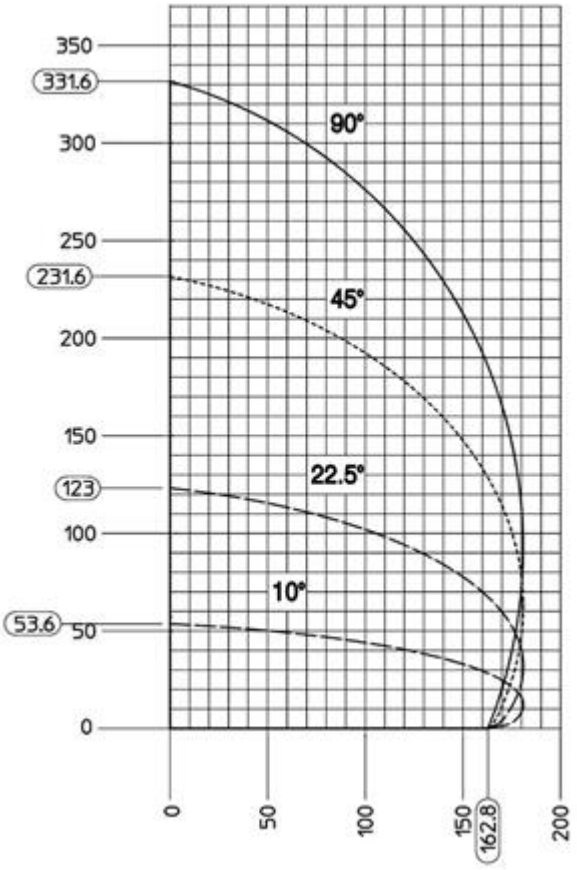
Standard accessories:

- No. 2 tungsten carbide saw blades Ø 500 (Blitz 50) Ø 550 (Blitz 55) Ø 600 (Blitz 60) mm
- Cutting zone guards
- Machine state indicator LEDs
- Movable head roller table 2,5 m
- Retractable pneumatic intermediate profile support
- N° 4 horizontal vices
- No. 2 vertical vices inside blade
- Minimum quantity lubrication (MQL) with pure oil
- Greasing gun
- Hydraulic blade exit speed control (adjustable blade exit speed - rapid retraction)
- FSTCUT4 software licence
- USB port for data input from external software
- RJ45 Ethernet port
- Teleservice for the first 12 months

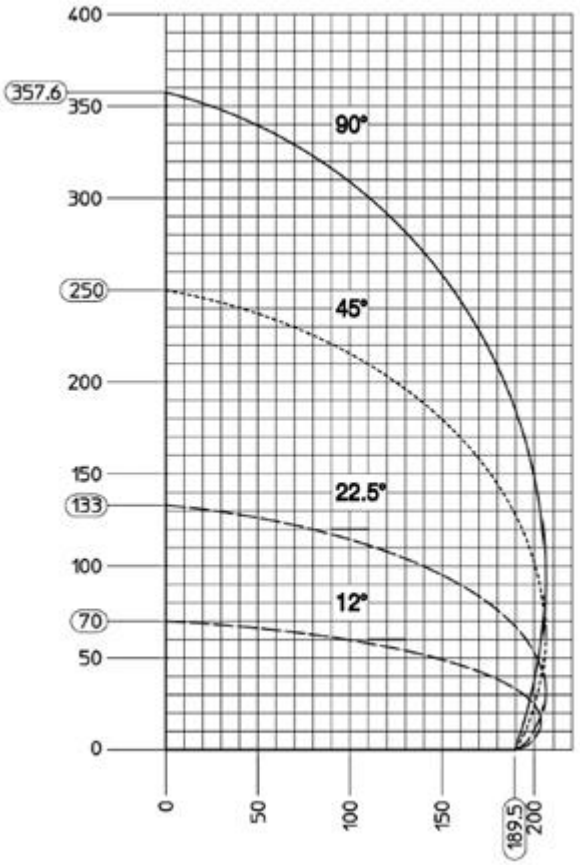
CUTTING DIAGRAM

See attachments

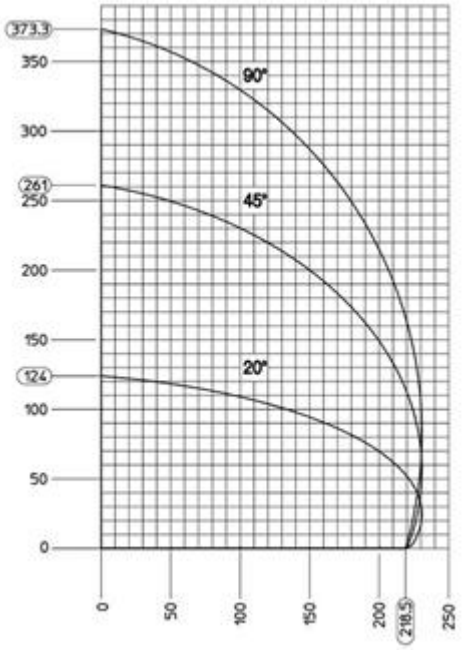
BLITZ 50



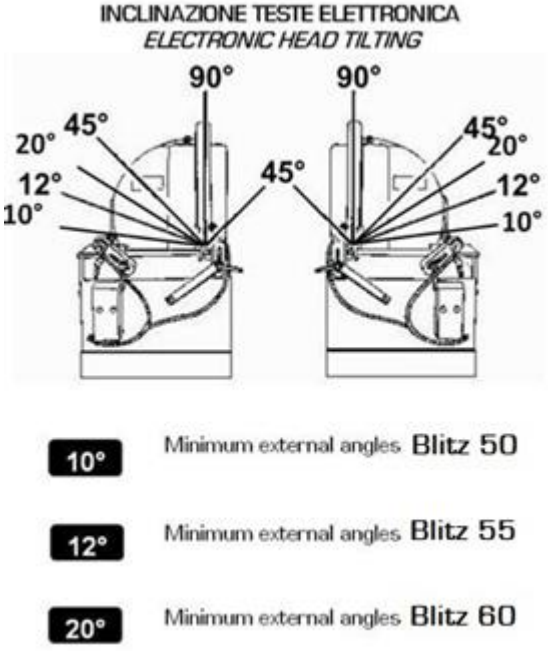
BLITZ 55


400
357.6
350
300
250
200
150
133
100
70
50
0
90°
45°
22.5°
12°
0
50
100
150
189.5
200

BLITZ 60


373.3
350
300
261
250
200
150
124
100
50
0
90°
45°
20°
0
50
100
150
200
216.5
250

Minimum cutting capacity



MINIMUM CUTS*			
FIXED HEAD POSITION	MOBILE HEAD POSITION	MINIMUM DISTANCE BETWEEN HEADS (MINIMUM CUT) mm	NOTES
90°	90°	350	Blitz 60 – 55 – 50
45° internal	45° internal	685	Blitz 60 - 55 - 50
45° external	45° external	352	Blitz 55 - 50
45° external	45° external	360	Blitz 60
10° external	10° external	485	Blitz 50
12° external	12° external	478	Blitz 55
20° external	20° external	485	Blitz 60
90°	45° internal	492	Blitz 60 - 55 - 50
45° internal	90°	492	Blitz 60 - 55 - 50

*minimum cut is the blades distance measured internally between the two heads and at height 0 relative to the referential horizontal plane

LOLA

LOLA is the cloud based IoT platform created by Fom Industrie for Industry 4.0, with the aim of monitoring and increasing productivity and efficiency.
The LOLA web application can be accessed via browser (Safari, Chrome), on a PC or mobile device.

LOLA receives data from the FOM Industrie machine tool, via internet connection, and generates statistics that can be consulted by the end user, regarding:
- productivity
- efficiency
- diagnostics
- scheduled, periodic and predictive maintenance
- alarms, push notifications and predictive warning

Characteristics

- Developed in responsive technology, which adapts the graphic layout to the device being used.
- Plant Manager for grouped display of your machines and alarms, based on factory or manufacturing department
- Timezone/DayTimeSavingLight Management
- LOLA application users (unlimited, until expiry of the license) with two privilege levels, to define criteria for hierarchical content visibility.
- Various machines can be associated with a single operator, or several operators can be associated with various machines.
- LOLA is now available in 5 languages: Italian, English, French, Spanish, German

LOLA allows control of the following with a single glance:
- machine status and efficiency
- machining statistics
- diagnostics for key machine components (e.g. electrospindles, tools, sensors..)
- alarms and warnings log for the individual machine or the factory (*for FOM LOLA compliant machines)
- push notifications for periodic and predictive maintenance events. Log of operations confirmed in LOLA.

The data indicate every time a key component is coming to the end of its lifecycle, so that it is possible to plan the replacement operation with the FOM service department or independently, thus minimising machine stoppages.

Export of data for integration with MES systems

With the additional Lola Exporter license it is possible to export the data collected by LOLA in CSV format locally, allowing subsequent integration with the most common MES systems

PC + TEX CONTROL

Electronic equipment description:

- Personal computer
- Touch screen monitor 15''
- New generation industrial type numerical control (automotive type)
- Sliding control panel onboard machine on linear guides
- Standard mouse and keyboard housed in a retractable compartment
- Solid state Hard Disk
- USB port IP65 on front panel
- Operating system Windows ®
- 3-year international ''on site'' warranty for PC
- FSTCUT4 software
- Direct connection to FOM technical support via the remote assistance service

Description of functions and characteristic FSTCUT4 program:

FSTCUT4 is the new and advanced management program for double-head sawing machines. In fact, it manages all the operations that can be carried out on these machines. It allows a cut to be made in managed mode and can receive a cutting list directly from the office, while it uses the Industria 4.0 environment to transmit the production data back to the office itself. It reduces the use of materials to a minimum by optimising the cut.

- Semiautomatic cutting function with automatic profile height compensation and piece counter with cutting disabling
- Direct import of the profile section from file in DXF/DWG ® format
- Classified profile archive graphic management by brand and series with working parameters associated to each profile and image display
- Management of list filing folders with paths that can also be configured online
- Cutting lists imported via network or USB memory stick
- Coating thickness and extrusion tolerance automatic corrector function
- Displaying 3D of profile
- Import of cutting lists in FOM format (protocol P2K2)
- Managing of users
- Display of profile sections while executing cutting lists with indications of piece positioning on the machine
- Display and print of frame image with the part being machined highlighted (only with cutting lists from the design software ProF2)
- Direct connection to FOM technical support via the remote assistance service
- 3D cutting simulation
- Automatic import of cutting list from network folder
- Industry 4.0 ready
- Integration with LOLA

On request:

- Formulas and Types module, to create parametric articles and generate the resulting cutting lists
- Wireless optical barcode reader and relative management software for work lists
- Printout of the profile section with the option to personalise the label layout
- Label printer
- Software licence for LOLA
- User licence for step-by-step cutting (no optimisation necessary for fixed distance parallel cuts)
- Cutting lists optimization module
- Software user licence for special length cutting (extra-length and super-minimum) and bevel cuttings at variable angles.
- Management of cutting statistics and blade wear (FST STATISTICS C4)
- Licence for FSTCUT4 program for office
- Data conversion driver. For supported formats, see list in attachment.

Optionals:

- Additional charge for special three-phase voltage and cycles
- Additional charge for plant version UL-CSA
- Additional charge for special power supply with transformer
- Additional charge for EAC (Eurasian Conformity) certification
- Blade exit position transducer kit
- Blade rotation inverter kit
- PORTER Infeed roller table + vertical rollers 3 m
- PORTER Infeed roller table + vertical rollers 4,2 m
- Second retractable pneumatic intermediate profile support (n. 1)
- Third retractable pneumatic intermediate profile support
- External vertical vice
- Adjustable buffer for vertical vice on both heads
- Adjustable double buffer for vertical vice, it's complusory on both heads
- Automatic profile height measuring device with lower mobile sensor + vertical vice
- Manual stop with magnetic fastening for undersized cuts
- Pneumatic profile lifter roller (for head loading area)
- Full protective casing 5 m
- Full protective casing 6,6 m
- Front baffles 5 m
- Front baffles 6,6 m
- Sound-absorbing panels for additional soundproofing of Blitz 5 m in the presence of PR-29174 or PR-29439
- Sound-absorbing panels for additional soundproofing of Blitz 6,6 m in the presence of PR-29175 or PR-29440
- Centre machine chip conveyor
- Swarf conveyor belt with inclined end (only for version 6,6 m) (Unloading height 580 mm)
- Swarf conveyor belt with inclined end (only for version 5 m) (Unloading height 580 mm)
- Step-by-step cutting kit with photocells barrier for cuts at the same angle (parallel cuts) for machines 5 m in length
- Step-by-step cutting kit with photocells barrier for cuts at the same angle (parallel cuts) for machines 6,6 m in length
- Step-by-step cutting software licence for cuts at the same angle (parallel cuts) with two-handed control

Step-by-step kit with variable angle cutting 5 m

Step-by-step kit with variable angle cutting 6,6 m

- Step-by-step cutting kit for cuts at the same angle (parallel cuts), in the presence of PR-29175 or PR-29174.
- Step-by-step kit with variable angle cutting, in the presence of PR-29175 or PR-29174.
- Teleservice contract for single machine

Optionals: Guard system

- Full protective casing 5 m
- Full protective casing 6,6 m

Version	A (mm)	B (mm)	C (mm)	Kg
5 m	10350	2090	2600	3900
6,6 m	11950	2090	2600	4100

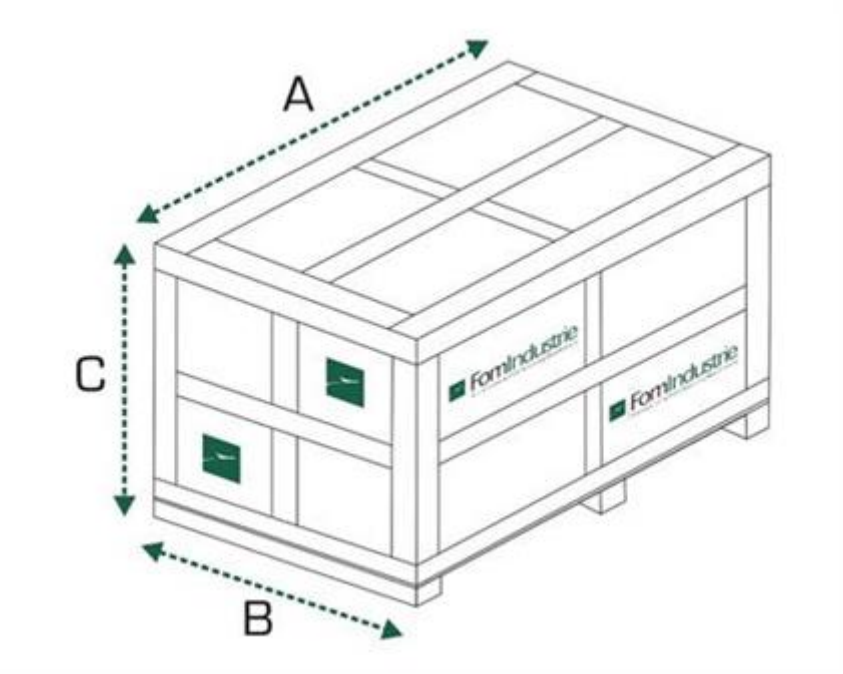
Optionals: Front baffles

- Front baffles 5 m
- Front baffles 6,6 m

Version	A (mm)	B (mm)	C (mm)	Kg
5 m.	7050	2000	2070	2640
6,6 m	8630	2000	2070	2860

Optional: Packing

- Crate packing - 5 m
- Crate packing - 6,6 m



Working Cut	A (mm)	B (mm)	C (mm)	Kg
5 m	7800	2100	2120	2250
6.6 m	9300	2100	2120	2540