




Fom Industrie



BLITZ DOUBLE HEAD SAWING MACHINES







BLITZ

front blade sawing machines



60

DOUBLE HEAD SAWING MACHINES //



65



55/50



ICONIC PRODUCT

Since 1980 Blitz has been synonymous with double head sawing machines with front blade.

ACCURATE CUT

Precision and power on every type of profile.

ZERO VIBRATIONS

Multiple manufacturing solutions keep the structure rigid during cutting, ensuring stability.

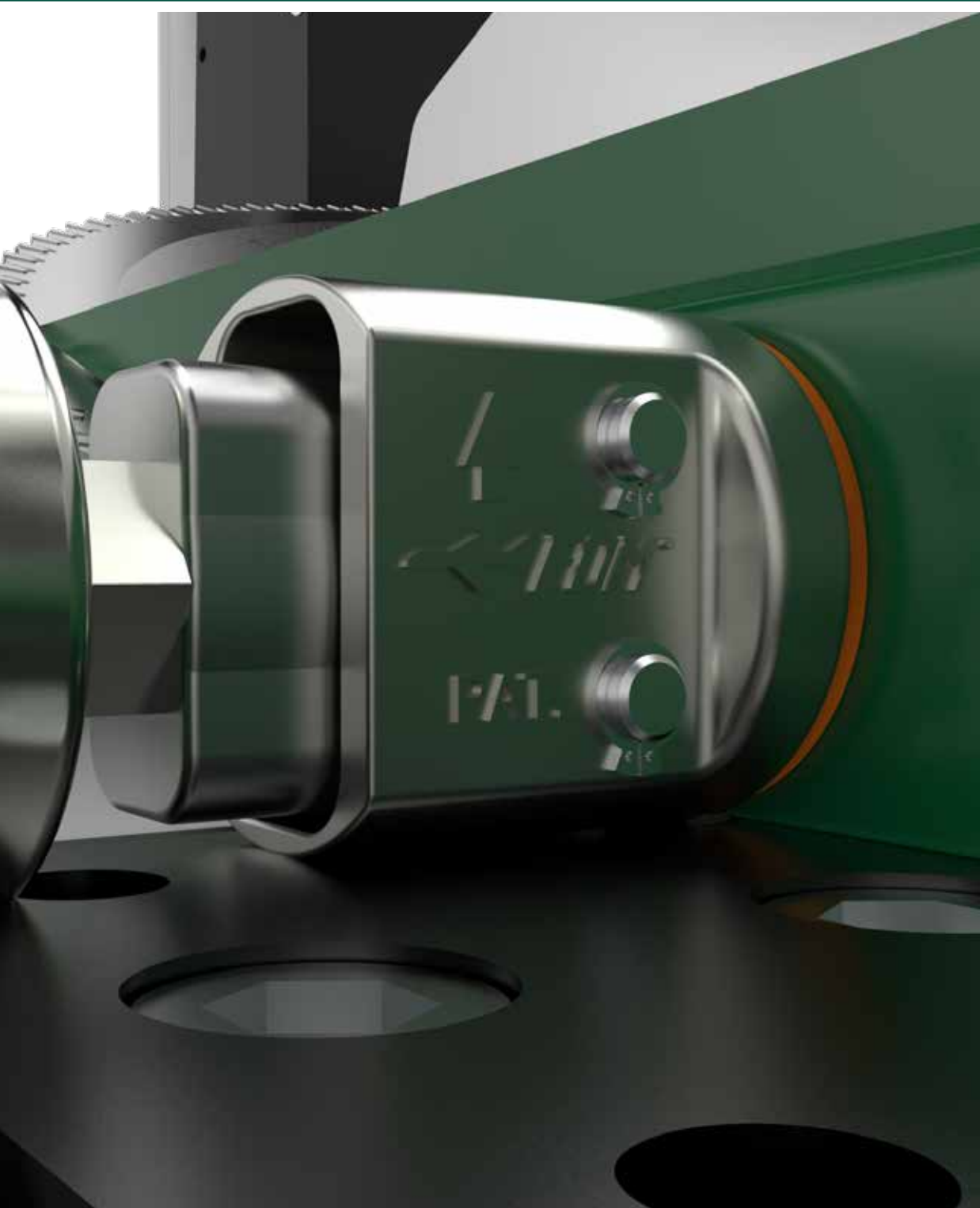
EASY TO USE

15" touch screen: large buttons and intuitive controls.

SAFETY/ERGONOMICS

Evolution in design complying with safety standards and with solutions to facilitate machine cleaning.

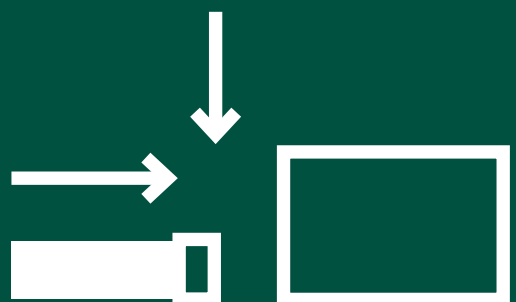
IMPECCABLE CLAMPING



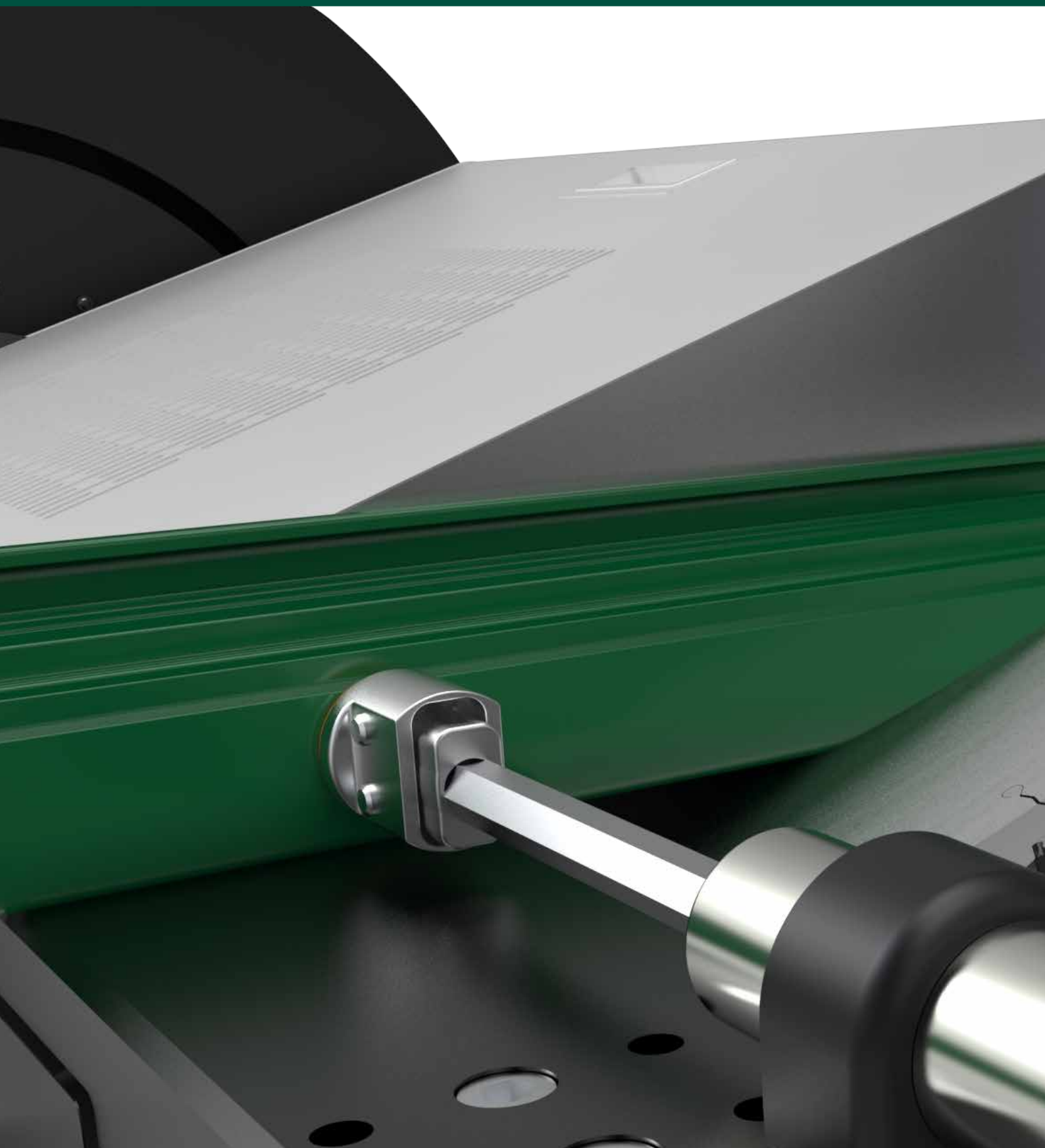


Quick, easy positioning of the vices in every direction. Whatever the cutting angle required, clamping takes place close to the blade. Four horizontal vices with patented two-way pusher system clamp the profile to the horizontal and vertical reference tables.

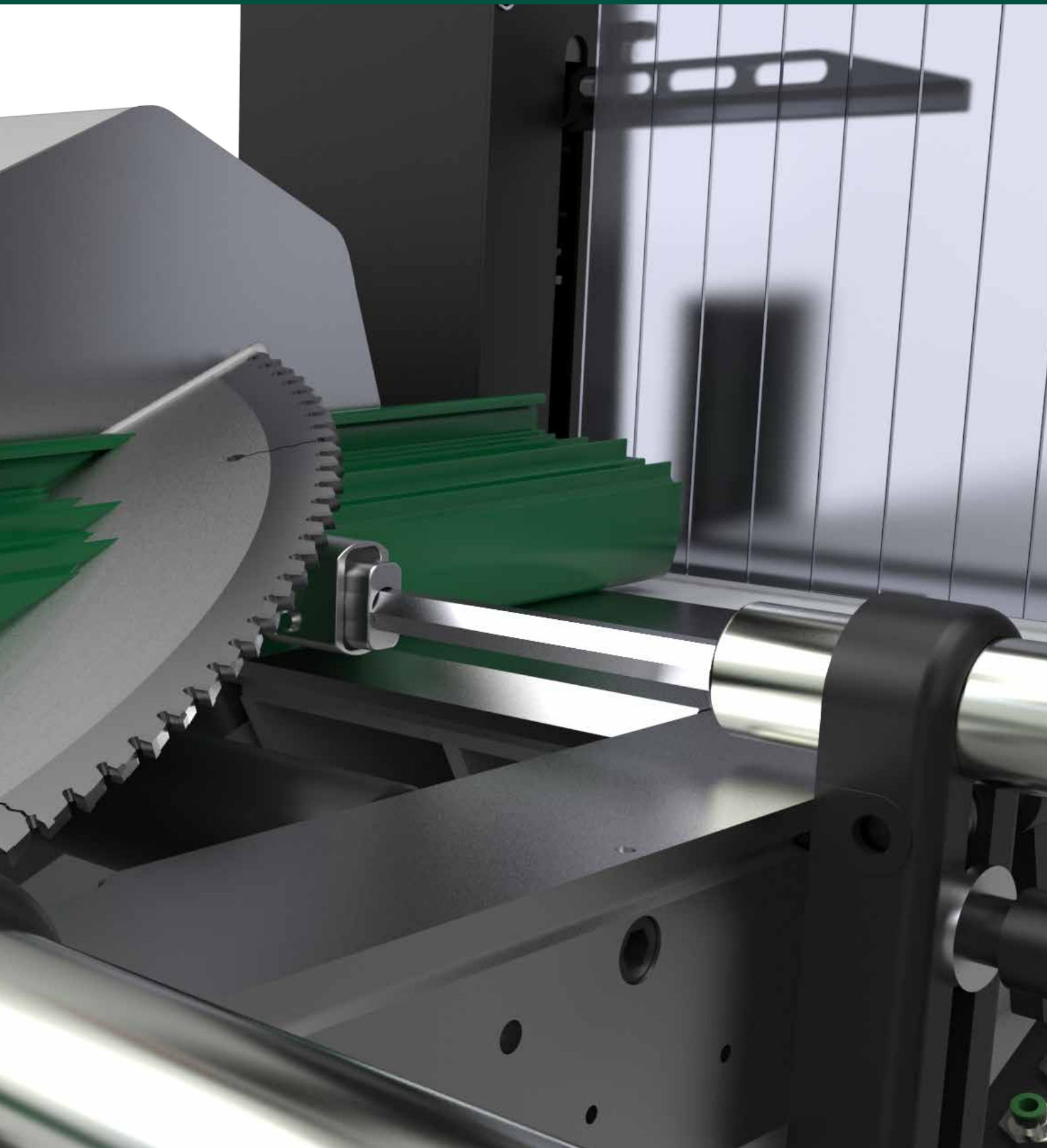
Two vertical vices with direct pushing, which can be excluded automatically when cutting internal angles, guarantee clamping even on particularly tall profiles.



PRECISION RELIABILITY



Blitz 50: external tilting by up to 10°



The electronic measuring device transmits the profile height dimension to the control, which is thus able to compensate the extrusion tolerances automatically, ensuring compliance with the values required to give a perfect window frame. The measurement is read by tracing two points and with the aid of a vertical vice, so as to obtain a perfect measurement even in the presence of slight curves and bending in the bar.

The long term performance and reliability of Blitz are the result of specific design decisions:

- The single block electrowelded steel frame machine bed for an extremely rigid structure.
- The mobile head and fixed had cutting tables, located directly above the front guide and the machine bed, are not subject to transversal bending and guarantee a precise angle even with heavy or oversized profiles.

Blitz stands out for its inimitable ability to hold the profile firmly during cutting. The blade moves forward following a curved trajectory. While cutting, the blades push the profile against the steel table, working in synchronism with the patented vices.

The motors are designed and built to Fom Industrie R&D department specifications to guarantee their performance.

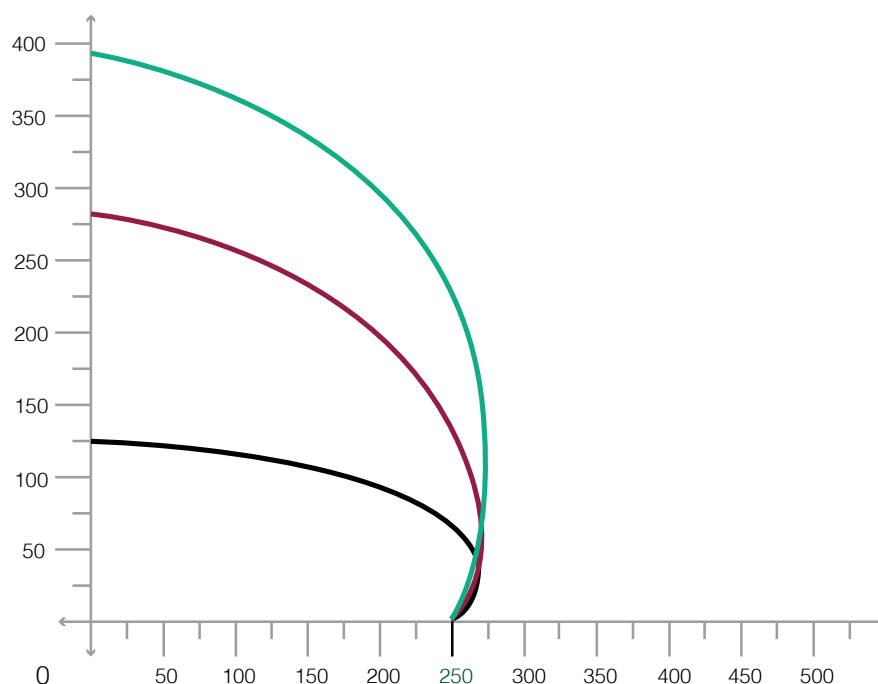
Available as standard in 4 blade size versions and 2 length configurations.



BLITZ 65

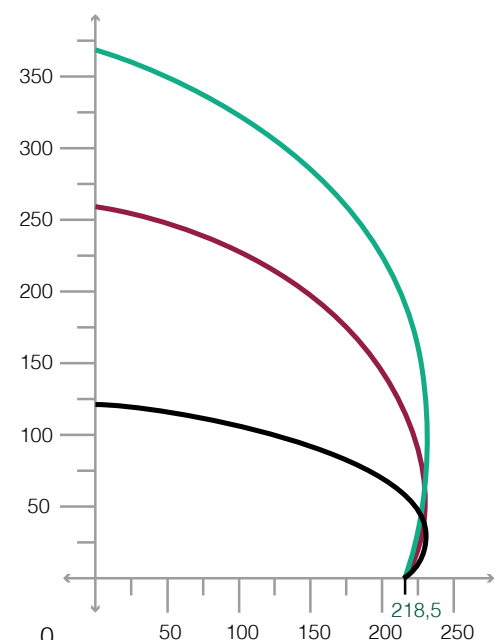
Cutting capacity with tilting of heads compared to the horizontal axis

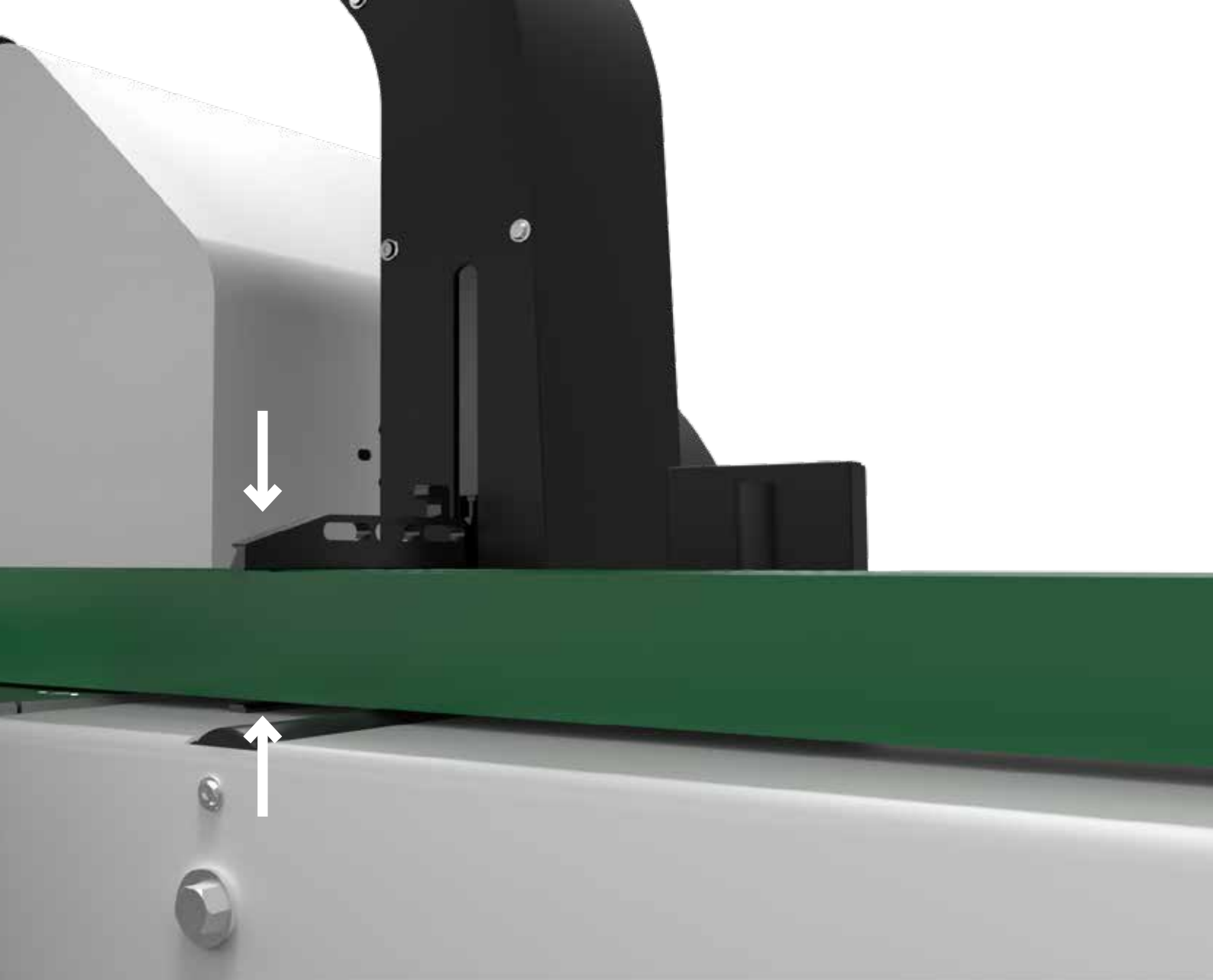
■ 20° ■ 45°/135° ■ 90°



BLITZ 60

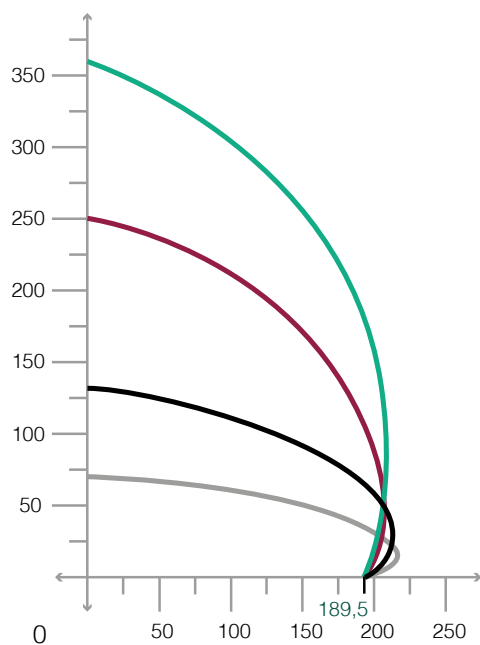
■ 20° ■ 45°/135° ■ 90°





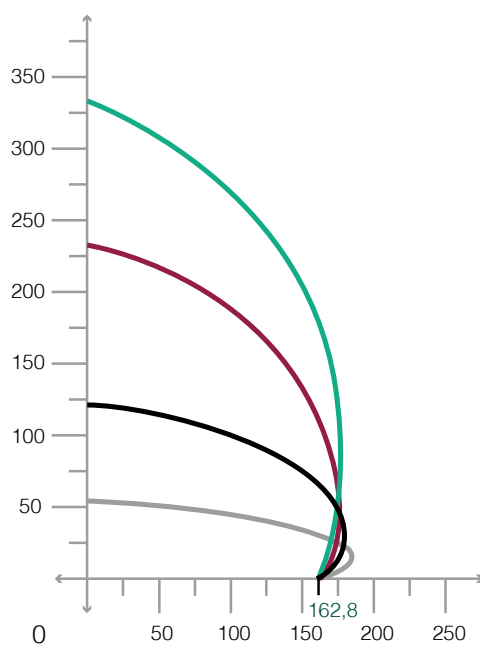
BLITZ 55

12°
 22,5°
 45°/135°
 90°

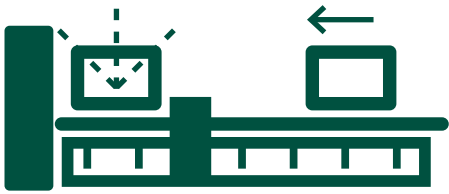


BLITZ 50

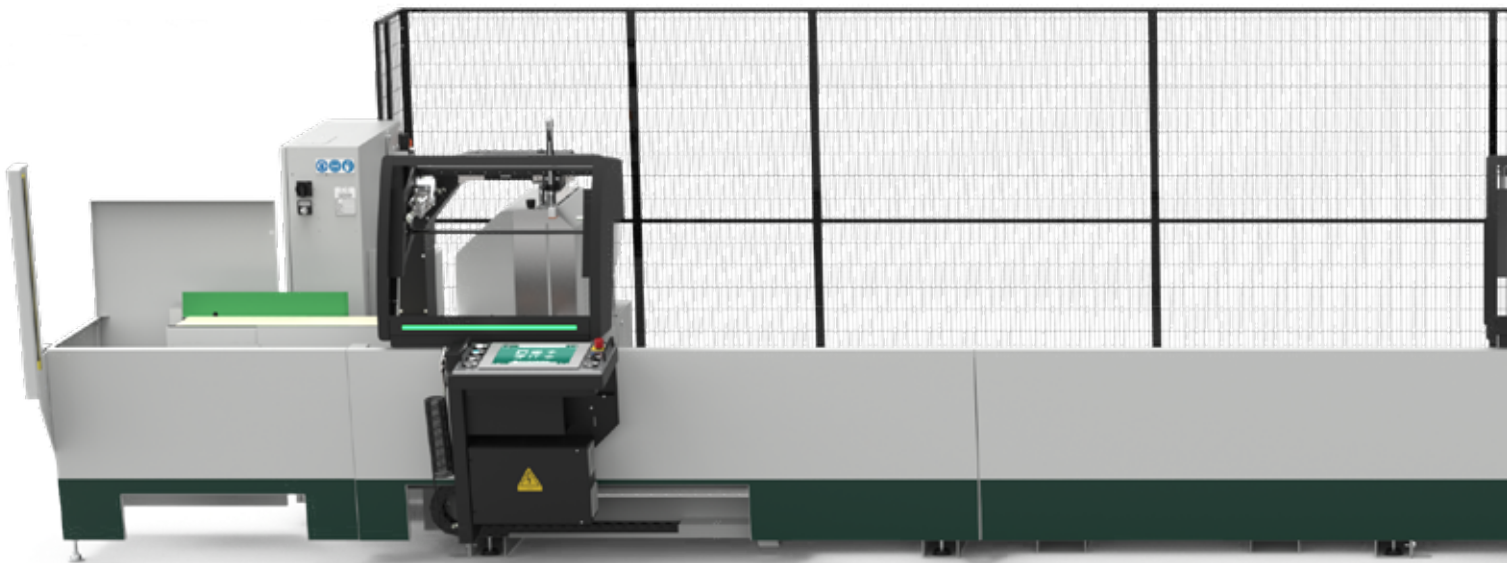
10°
 22,5°
 45°/135°
 90°

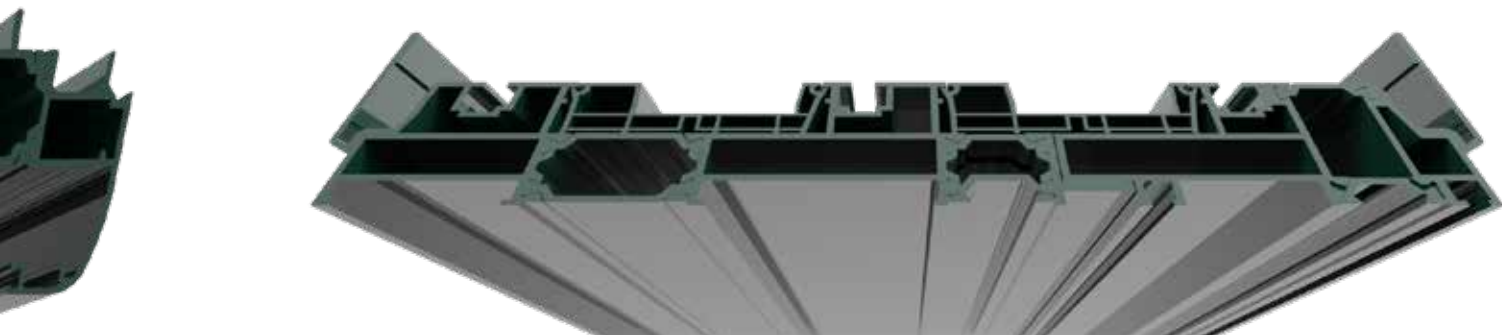
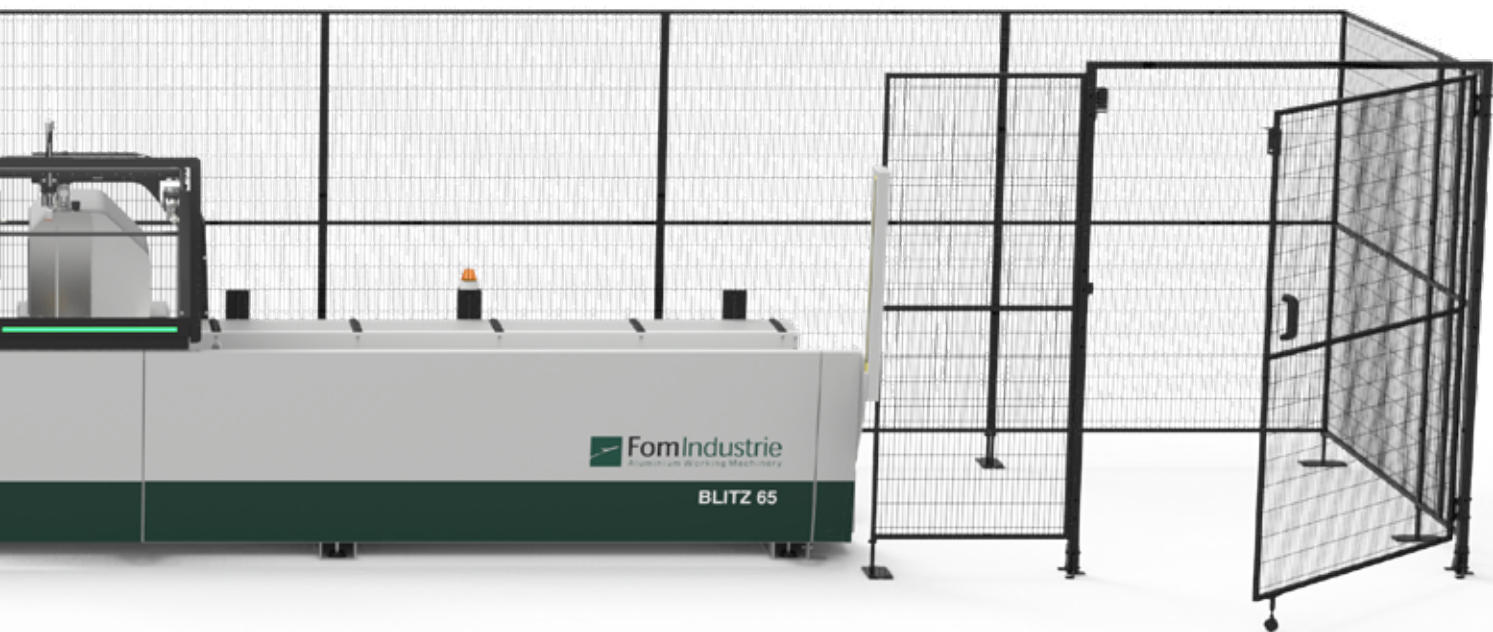


PRODUCTIVITY



Blitz responds to the requests for increased production volumes with step by step functions: from creation of batches of identical pieces to unsupervised automatic cutting. Top end Fom Industrie double head sawing machines have characteristics that evolve to respond to many different manufacturing needs.



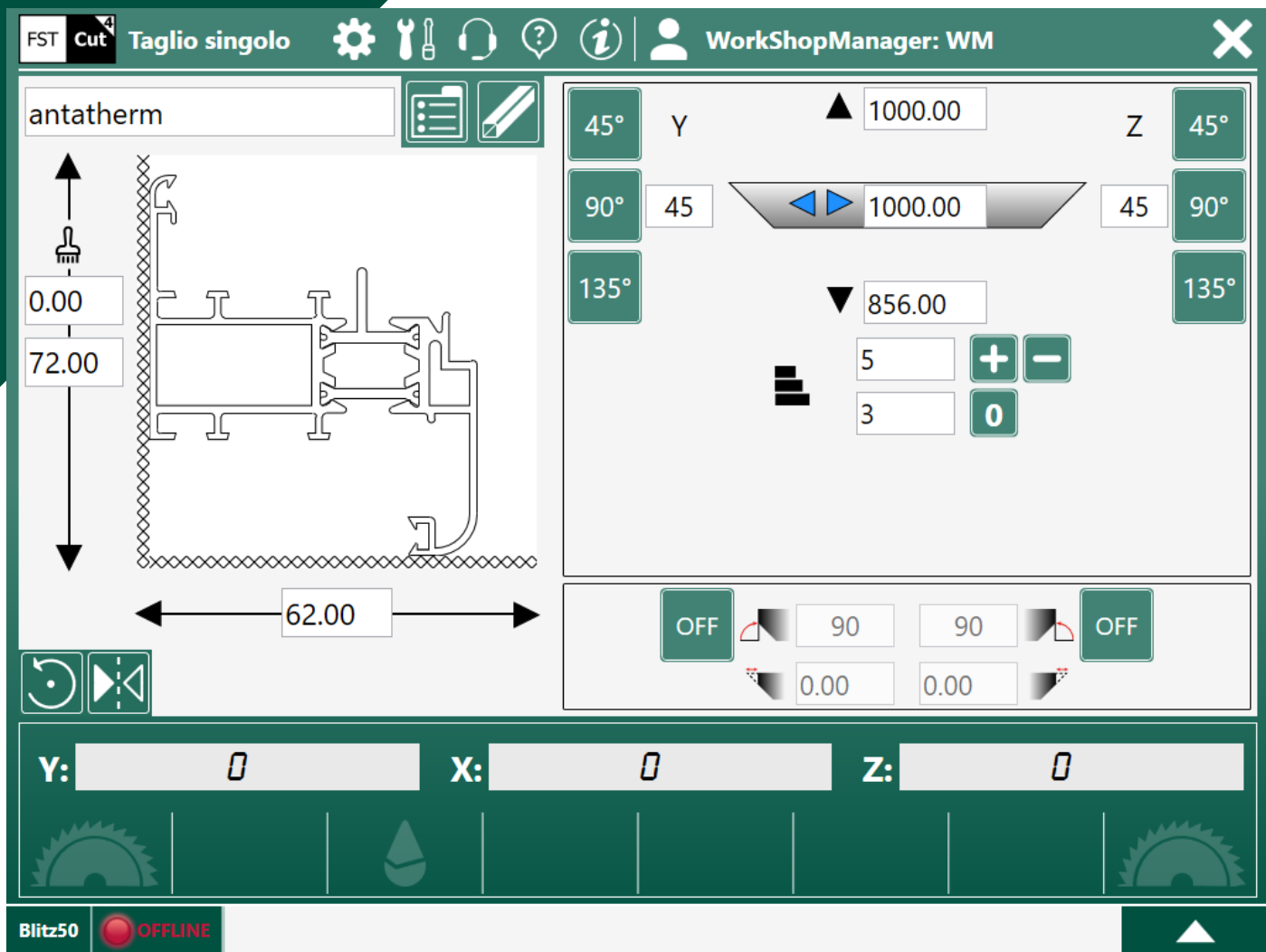


INTERACTION USABILITY



Mobile head roller conveyor 2.5 m in length to support the profiles to be cut.



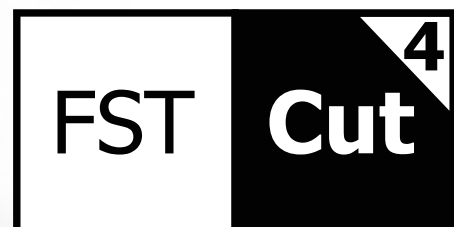


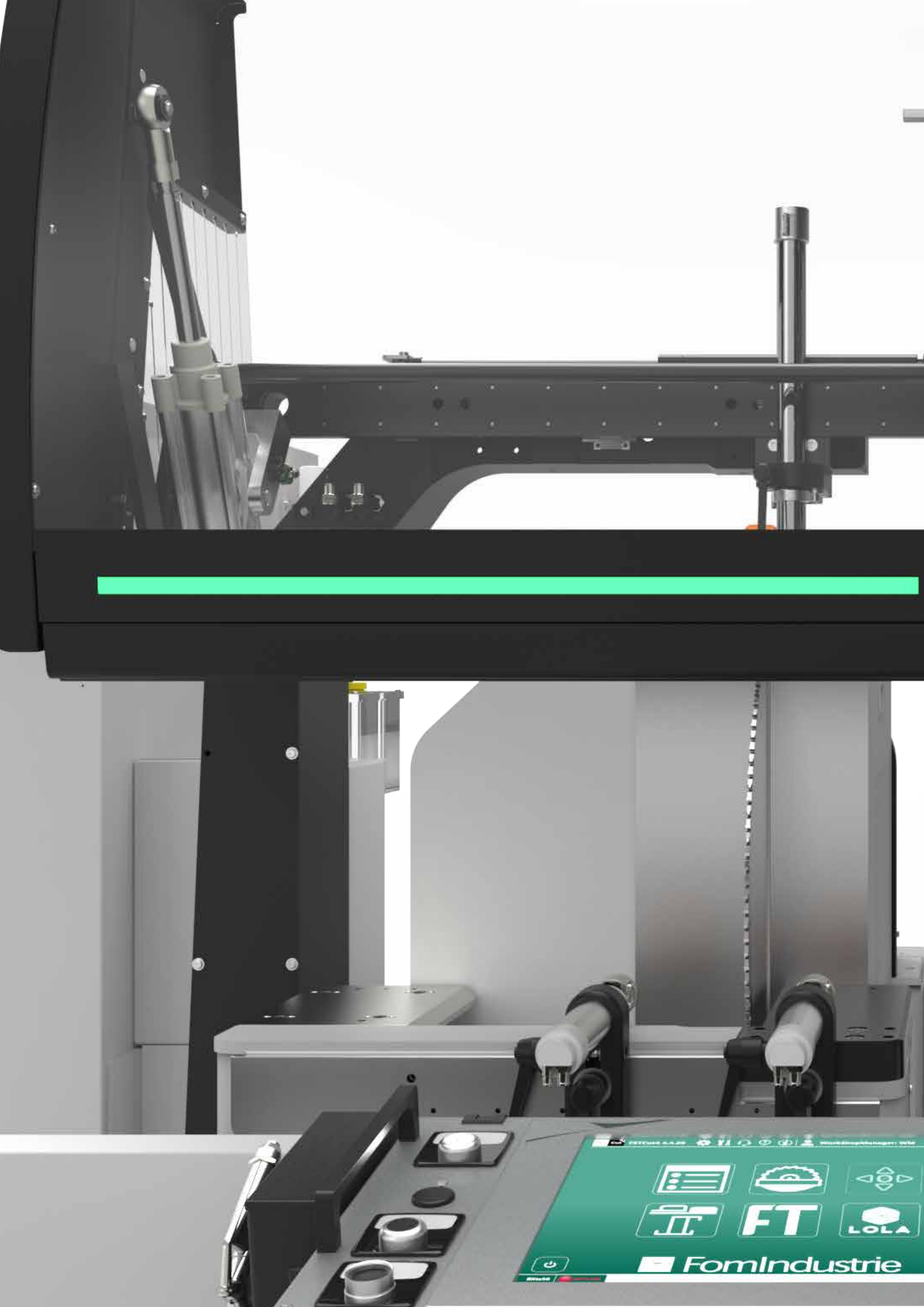
USER FRIENDLY SOFTWARE

FSTCUT4 is the innovative program managing all the operations that can be carried out by double head sawing machines. The guided cut lead-in option is active, to speed up and minimise errors by the machine side operator.

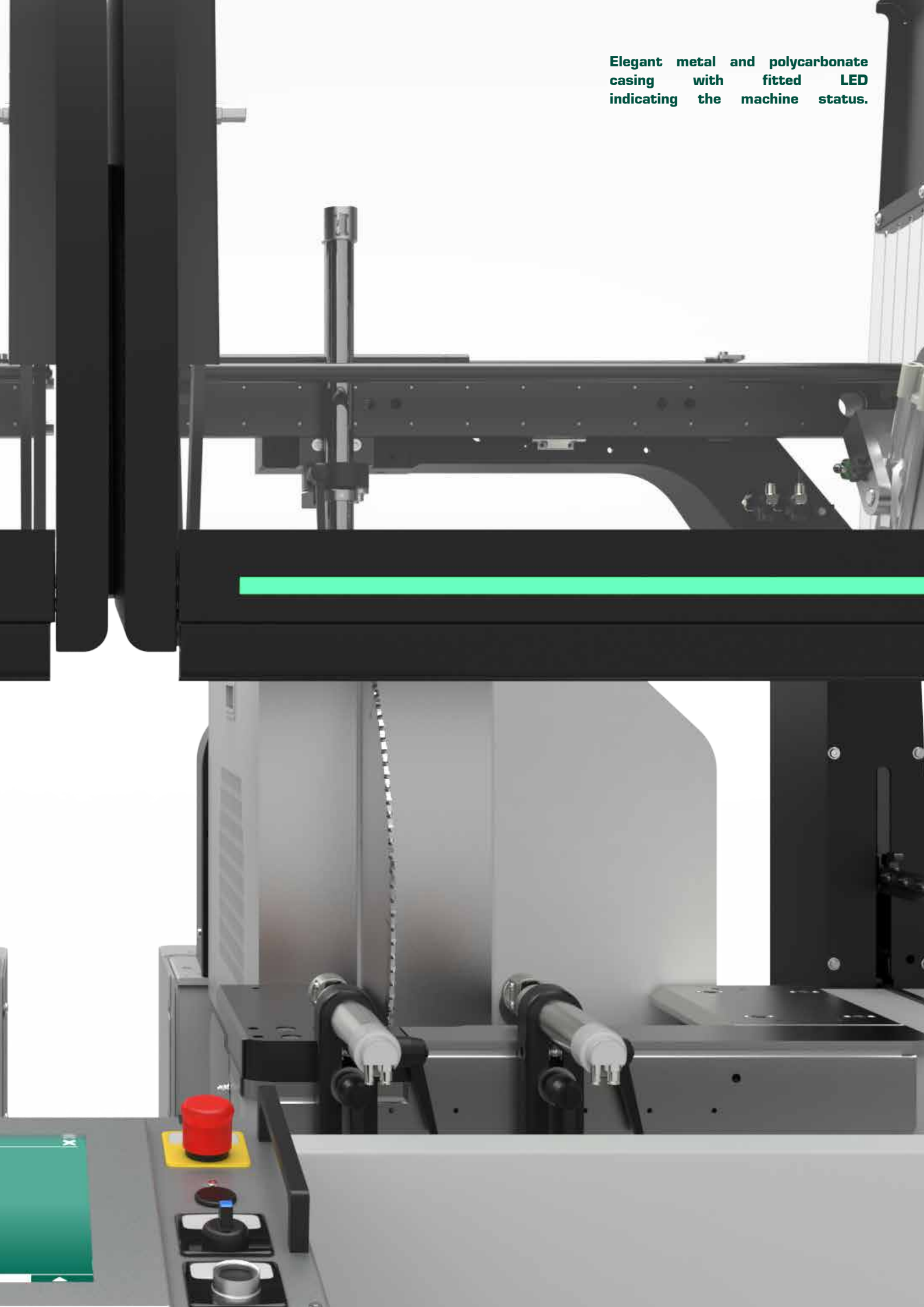
Top end Fom Industrie double head sawing machines are **Industry 4.0 ready**: it is possible to send cutting lists from the office and receive production data.

The statistics panel integrated in the application shows machine productivity and the material used at a glance.





Elegant metal and polycarbonate casing with fitted LED indicating the machine status.



COMFORT ENVIRONMENT

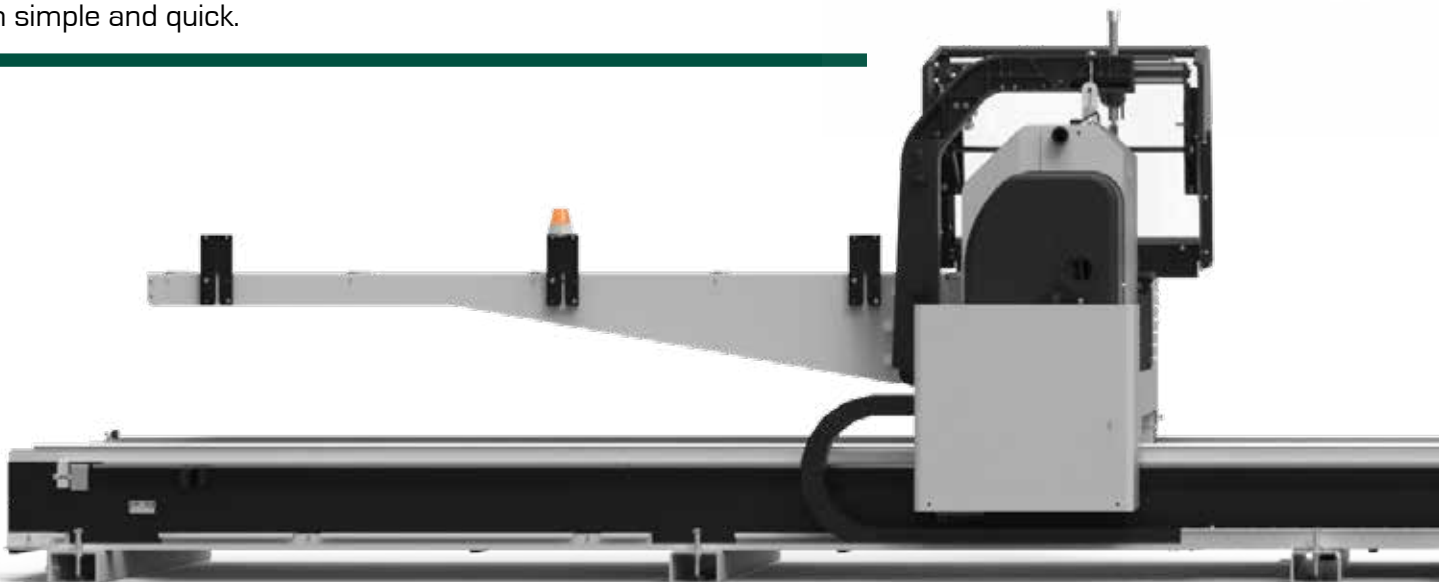
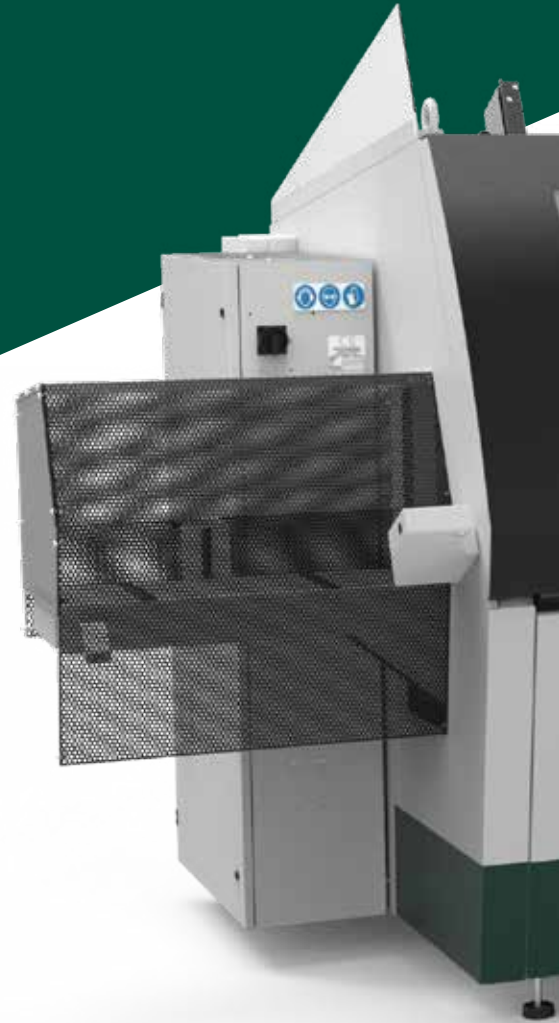


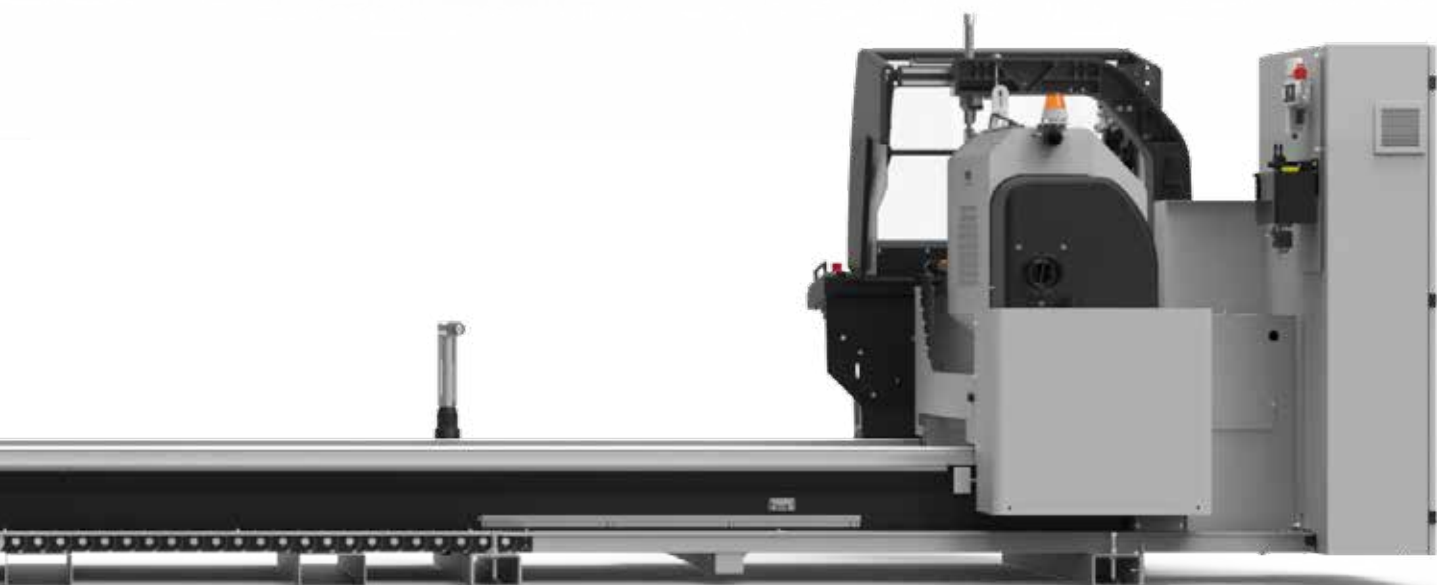
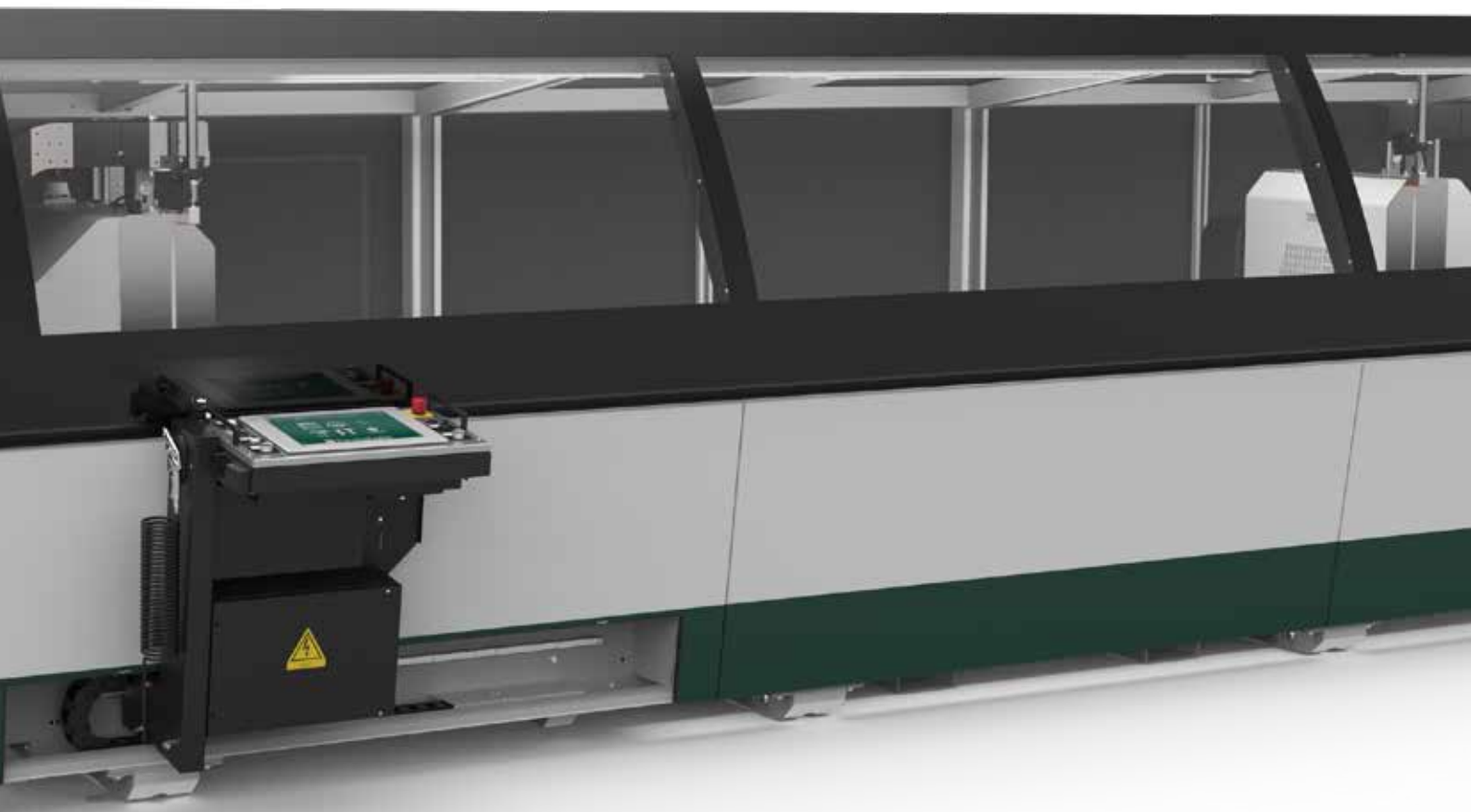
INTEGRAL GUARD AND SOUNDPROOFING PANELS

- total safety for the operator
- drastic reduction of noise levels
- excellent view of the machining operation

The protected position of the mechanical components under the cutting tables or inserted in the head guard guarantees optimum cleaning conditions during operations.

The front baffles fitted as standard in the Blitz65 make operations to remove chips and sawdust both simple and quick.





BLITZ 65



Tungsten carbide blades
Ø 650 mm



Head tilting from 20°
external to 45° internal
managed by NC



Minimum cutting capacity
with heads at 90°: 350
mm (can be reduced with
dedicated software)



Machine state indicator
LEDs



Mobile head roller
conveyor (2500 mm)



Blade motors 5.5 kW



Mobile head positioning
managed by NC



Maximum cutting capacity:
5000 - 6600 mm
depending on the version
supplied (can be increased
with dedicated software)



N° 2 vertical vices internal
side of blade



Support tables in ground
hardened steel



Pneumo-hydraulic blade
feed



N° 4 horizontal vices with
patented pusher system



Minimum lubrication with
pure oil



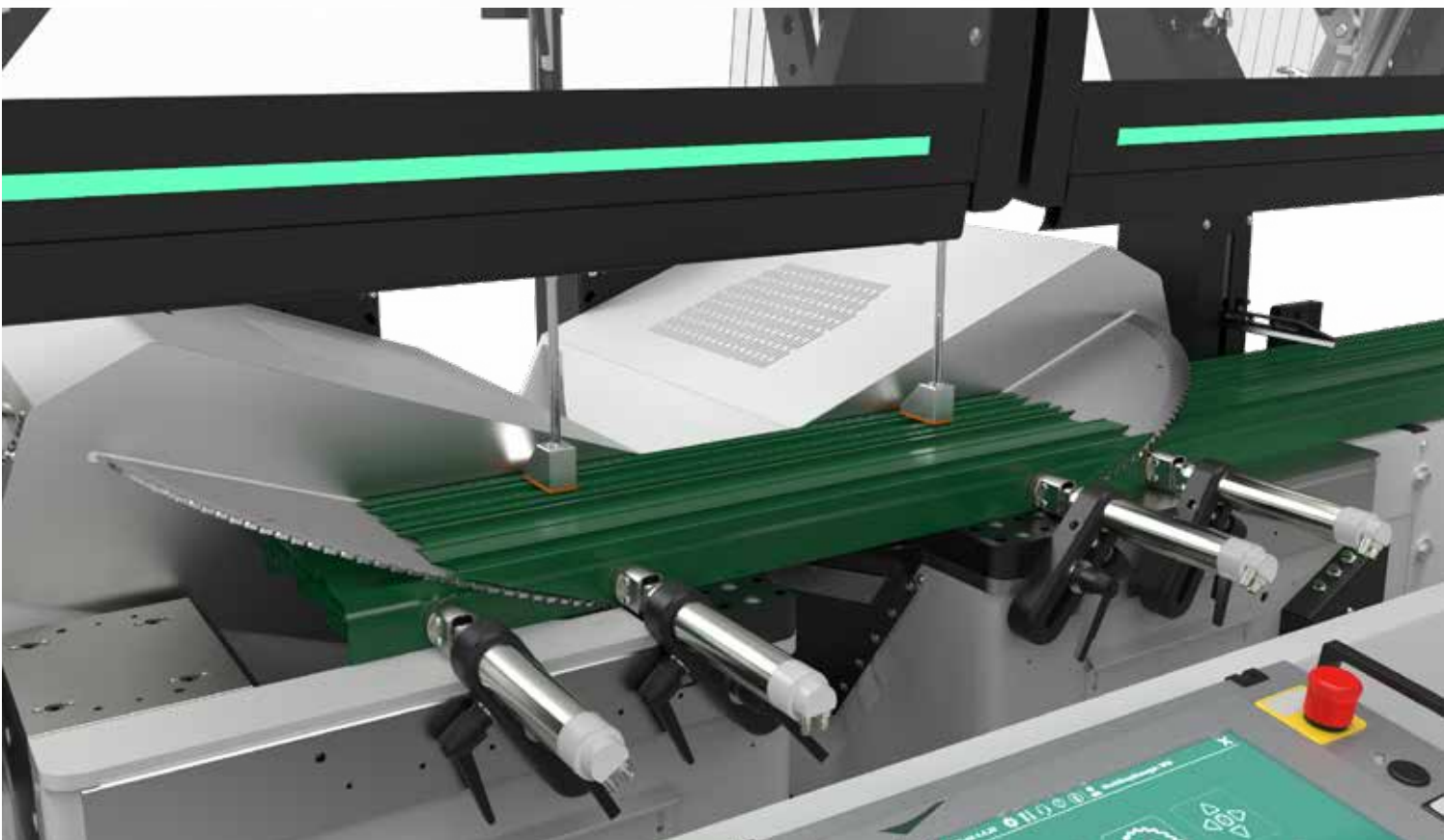
Full protective casing
(on request)



Front baffles



WORKING AT FULL POWER!



BLITZ 60 55 50



Tungsten carbide blades
Ø 600 - 550 - 500 mm



Head tilting from 20° -
12° - 10° external to 45°
internal managed by NC



Minimum cutting capacity
with heads at 90°: 350
mm (can be reduced with
dedicated software)



Machine state indicator
LEDs



Mobile head roller
conveyor (2500 mm)



Blade motors 2,2 kW



Mobile head positioning
managed by NC



Maximum cutting capacity:
5000 - 6600 mm
depending on the version
supplied (can be increased
with dedicated software)



N° 2 vertical vices internal
side of blade



Support tables in ground
hardened steel



Pneumo-hydraulic blade
feed



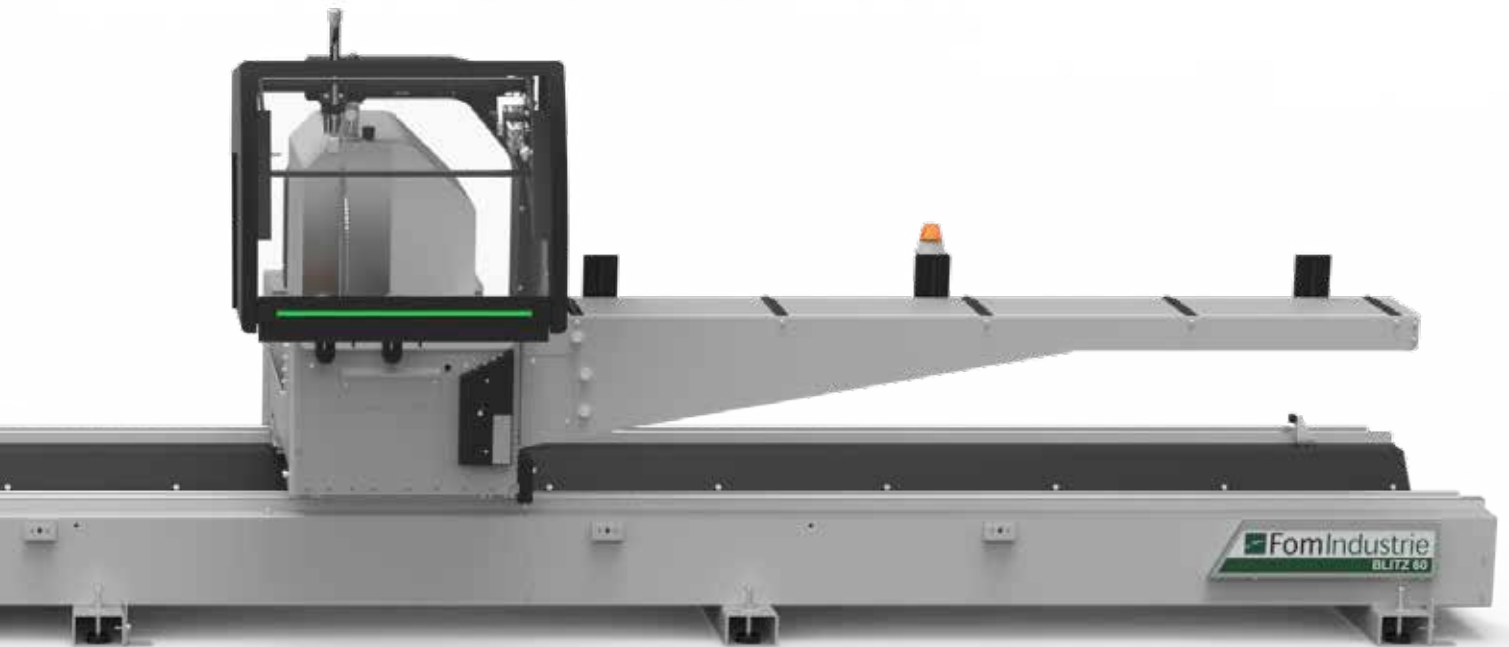
N° 4 horizontal vices with
patented pusher system



Minimum lubrication with
pure oil



Full protective casing
(on request)



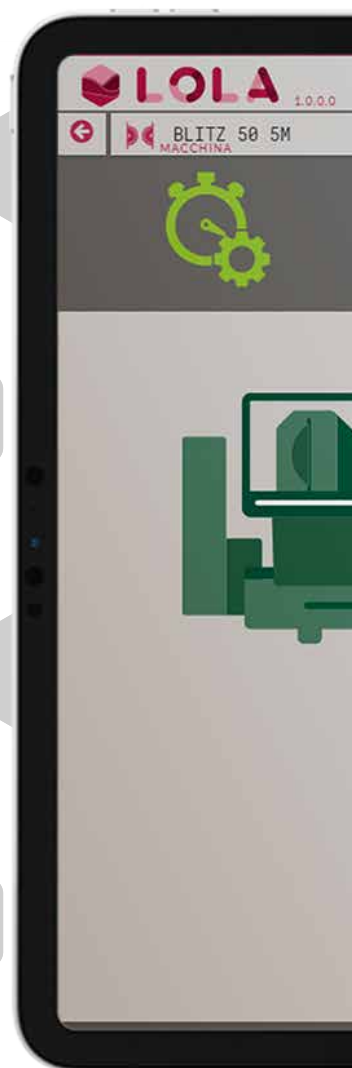
ERGONOMIC POSITION

Loading and unloading operations
are extremely comfortable to
perform



LOLA

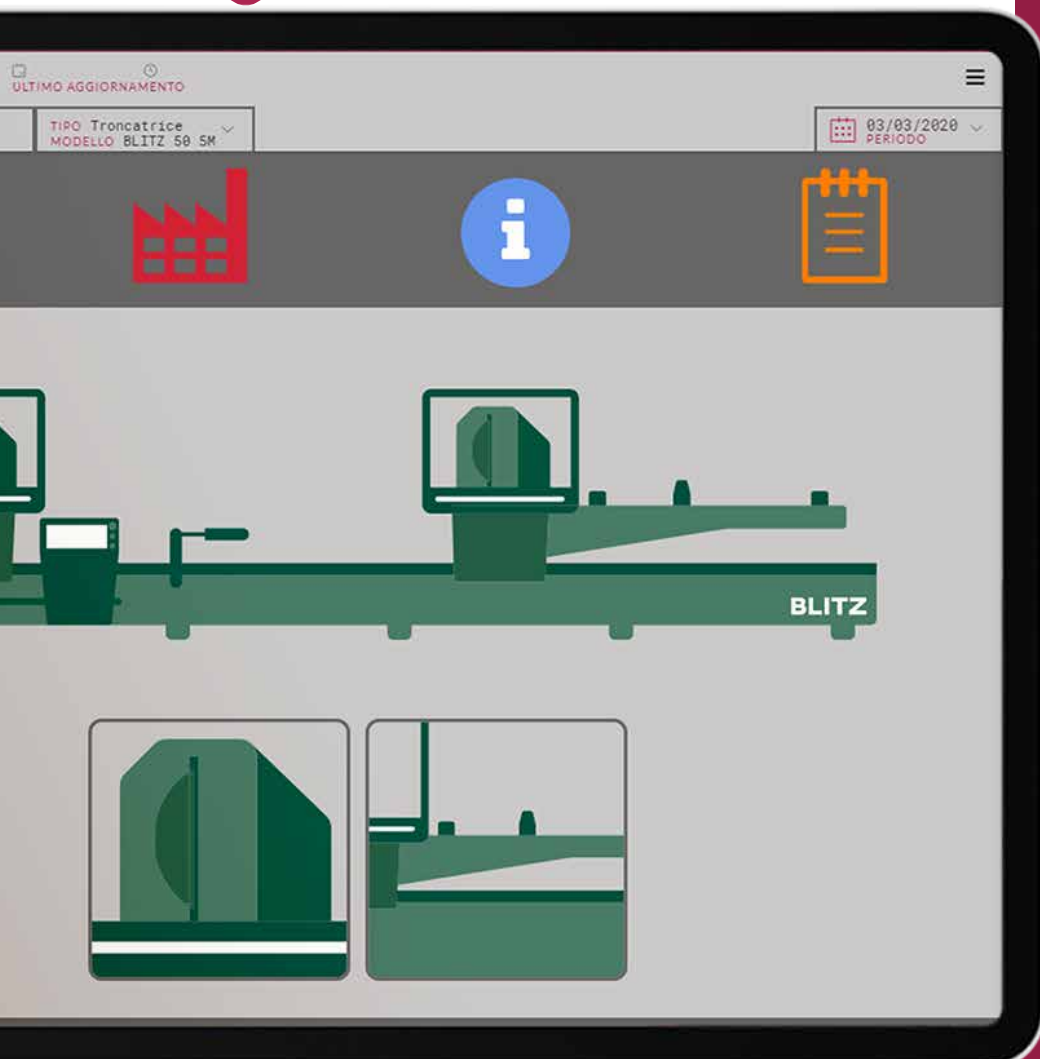
Log On Live Automation



Our cloud based platform viewable from PC or mobile phone allows monitoring of:

- machine status
- process statistics
- state of machine components
- periodic and predictive maintenance

User friendly graphics, transparent and instantaneous information are some of the characteristics that make LOLA the ideal partner to manage your digital factory.



✓ = standard ○ = optional



	65	60-55-50
Tungsten carbide blades	Ø 650 mm	Ø 600 mm - Ø 550 mm - Ø 500 mm
Minimum lubrication with pure oil	✓	✓
Cutting angles vary according to the machine model, with electronic control of all degrees. Precision and repeatability ±0,05°	from 20° to 135°	from 10° to 135° [BL50] from 12° to 135° [BL55] from 20° to 135° [BL60]
Maximum cutting capacity between the two heads	5 - 6,6 m depending on the version (can be increased with dedicated sw)	5 - 6,6 m depending on the version (can be increased with dedicated sw)
Minimum cutting capacity with heads at 90°	350 mm (can be decreased with dedicated sw)	350 mm (can be decreased with dedicated sw)
Step by step cuts	○	○
Oversized cuts, super-small cuts and bevelled cuts at variable angles	○	○
Mobile head roller table 2,5 m	✓	✓
Hydraulic blade exit speed control (adjustable blade exit speed - rapid return)	✓	✓
Blade motors	5,5 kW - 2400 rpm	2,2 kW - 2800 rpm
Cutting zone guards	✓	✓
Machine state indicator LEDs	✓	✓
Horizontal profile support tables in ground hardened steel and vertical in stainless steel	✓	✓
N° 4 horizontal vices with patented pusher system	✓	✓
N° 2 vertical vices internal side of blade	✓	✓
Profile height measuring device with vertical vice	○	○
Pneumatic profile lifting roller	○	○
Retractable pneumatic intermediate profile support	✓	✓
Set up for forced extraction of chips and fumes	✓	✓
Driven central conveyor belt to collect chips and waste, complete with inclined end section	○	○
Centre machine chip conveyor	○	○
Full protective casing	○	○
Wireless barcode reader	○	○
Label printer	○	○
FSTCUT4 program licence for use	✓	✓
USB Port	✓	✓
Ethernet RJ45 port	✓	✓
Remote assistance for the first 12 months	✓	✓

The specifications and illustrations in this catalogue are only guideline, **FomIndustrie** therefore reserves the right to make any modifications it deems necessary for technical or commercial reasons at any time and without prior notification.



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