



Keope E1

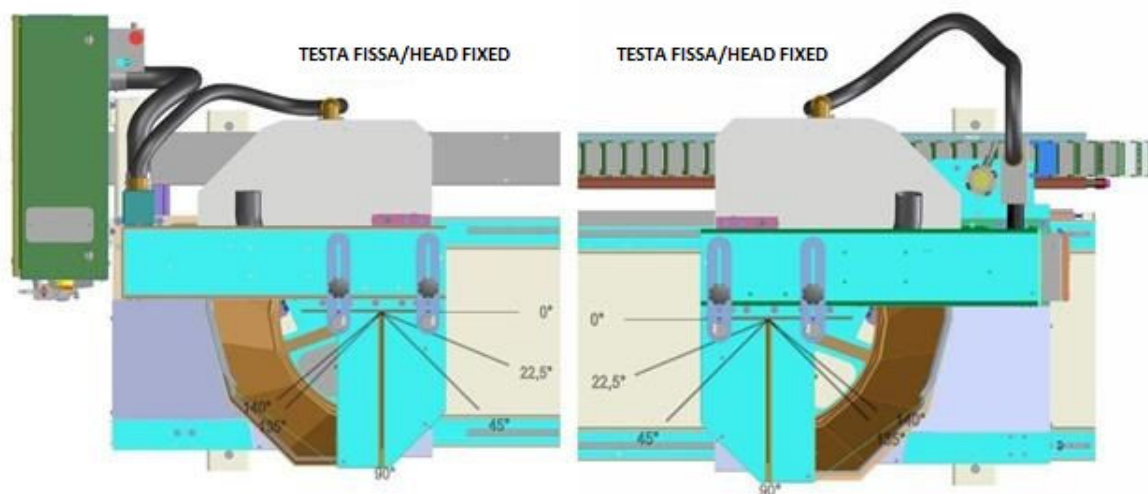
A double head sawing machine for compound angles with motorized movement of the mobile head.

5 metre cutting facility
6.6 metre cutting facility

Technical Specification

- Blade motors, three phase 5 HP (3.7 kW) - Eurovoltage 230/400V- 50Hz; 275/480V - 60 Hz
- Blade rotation speed 2400 RPM
- External manual head rotation between 90° and 140° (Y and Z axes) with degrees display and fixed positions for 45° - 90° - 135° cuts (vertical axis)
- Internal manual head rotation between 90° and 22.5° (Y and Z axes) with degrees display and fixed positions for 45° - 90° - 135° cuts (vertical axis)
- Internal blade inclination at 90° and at 45° (W and U axes) via pneumatic movement (horizontal axis) *Blade inclination is limited in degrees when head rotation is below 45° (see Pic. A)
- Handling of mobile head (X axis) with controlled axis managed by N.C.
- Mobile head max. speed 25 m./min.
- Hydraulic tungsten carbide saw blade feed (adjustable blade exit speed – quick return)
- Minimum cutting capacity with heads at 90°: 470 mm
- Maximum cutting capacity: 5000mm o 6600mm according to the version (can be increased with specific software)
- Working pressure: 7 bar
- Maximum air consumption per minute: 590 NL/min

PIC. A

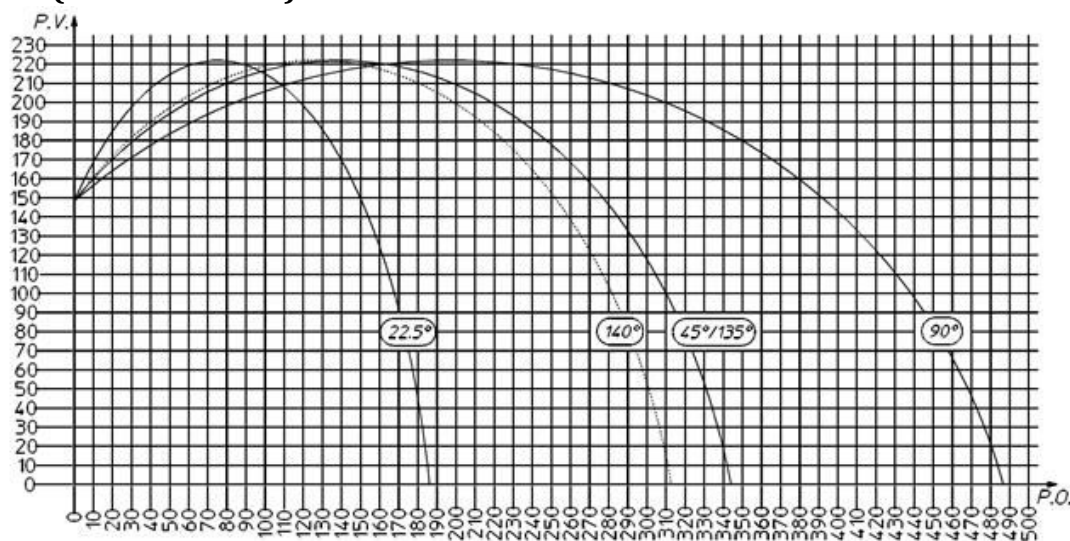


Standard Accessories

- No. 2 carbide tungsten saw blades Ø 600mm
- Cutting area earmuffs
- 4 no. vertical vices
- Minimum quantity lubrication (MQL) with pure oil
- Set up for the extraction of chips and fumes
- 15' touch screen control panel (IP65) on linear guides
- PC operator interface
- Windows 7 operative system
- Real time numerical control
- FSTCUT4 software licence
- Teleservice for the first 12 months

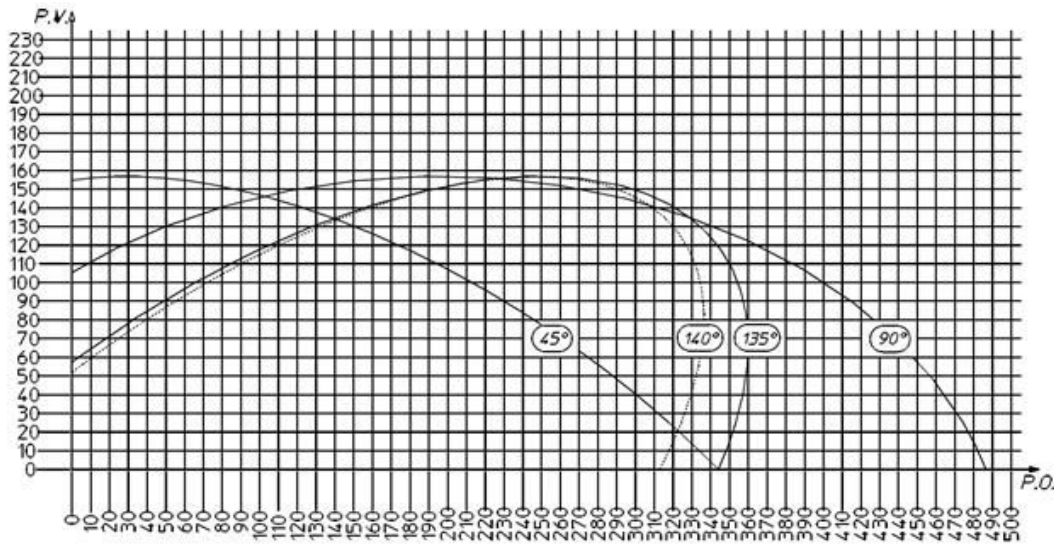
Cutting Diagram

See attachments – Blade pivoting from 22.5° to 140° (vertical axis). Blade tilting at 90° (horizontal axis)





Blade pivoting from 45° to 140° (vertical axis). Blade tilting at 45° (horizontal axis)



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Control Unit TEX COMPUTER DIVA





Electronic Equipment Description

- Personal computer
- Touch monitor 15" LED backlighting
- Real time numerical control
- Internal USB ports plus one IP65 on front panel and internal USB ports
- RS232 serial port
- SSD solid state hard drive
- PC with Operating System Windows 7
- 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.

- Semi-automatic 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 the cutting list from network folder
- Integration with LOLA
- Industry 4.0 ready



On Request

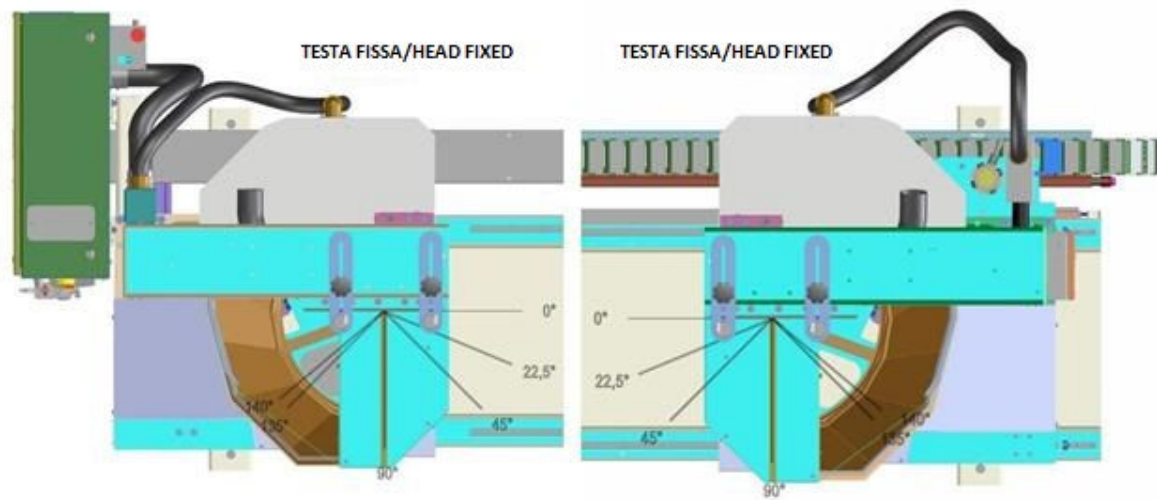
- Formulas and Types module, to create parametric articles and generate the resulting cutting lists
- Wireless optical barcode reader and relative management software for work lists
- Printout of the profile section with the option to personalise the label layout
- Label printer
- User licence for step-by-step cutting (no optimisation necessary for fixed distance parallel cuts)
- Cutting lists optimization module
- Software user licence for special length cutting (extra-large and super-minimum) and trim cuts 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.

15" Touch Screen Control Panel (IP65)

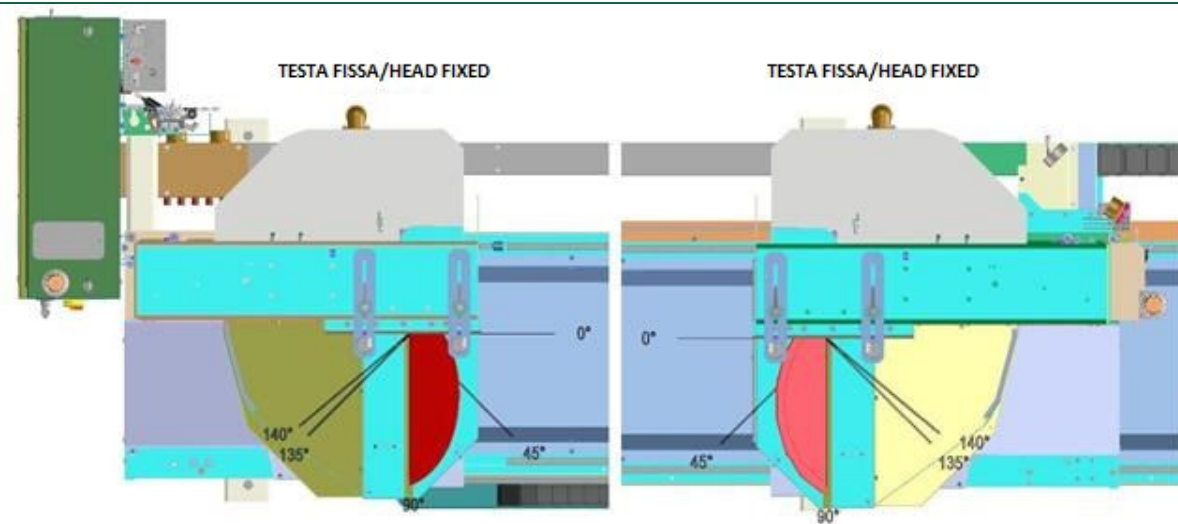




Head Rotation Angles with Blade Tilted at 90°

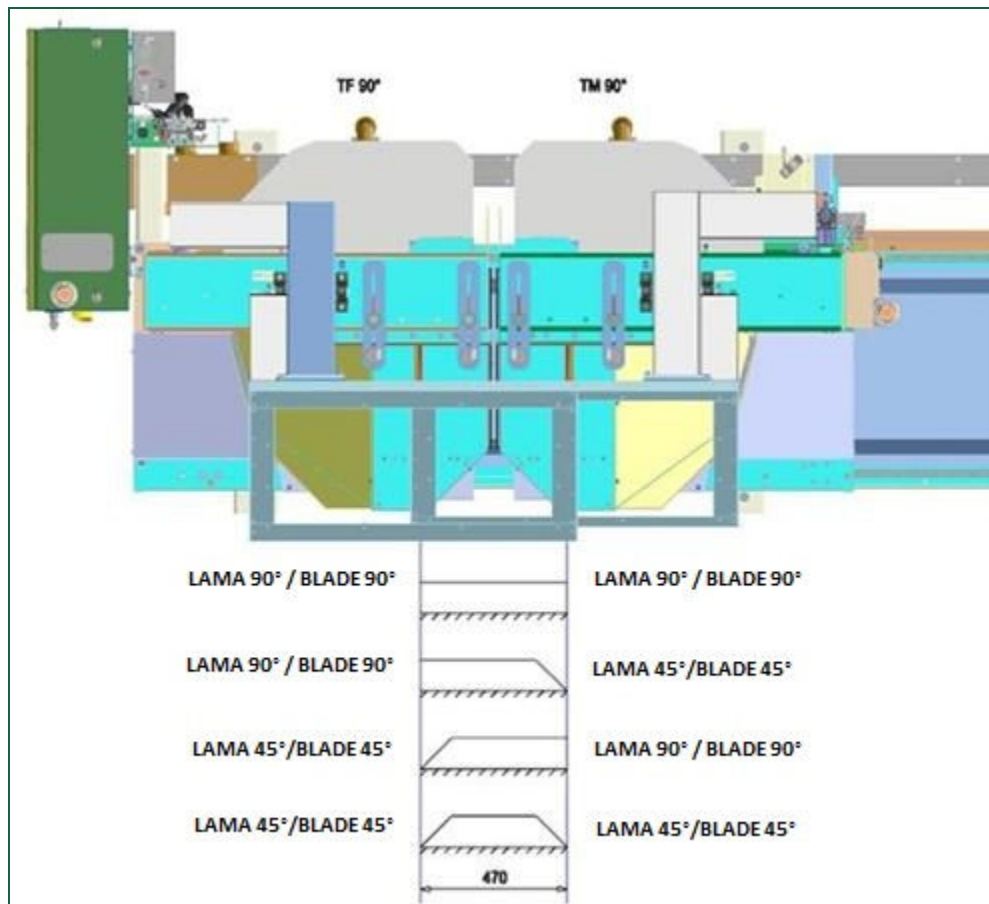


Head Rotation Angles with Blade Tilted at 45°



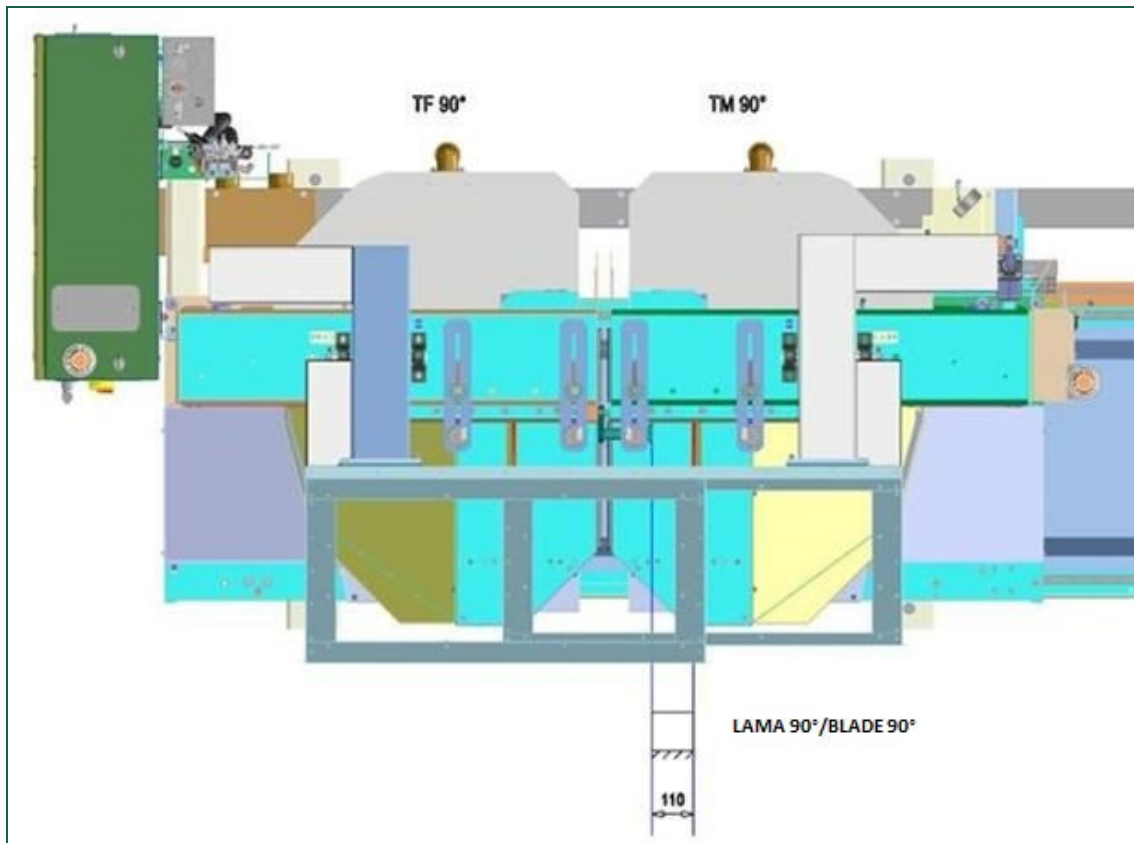


Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
90°	90°	470 mm

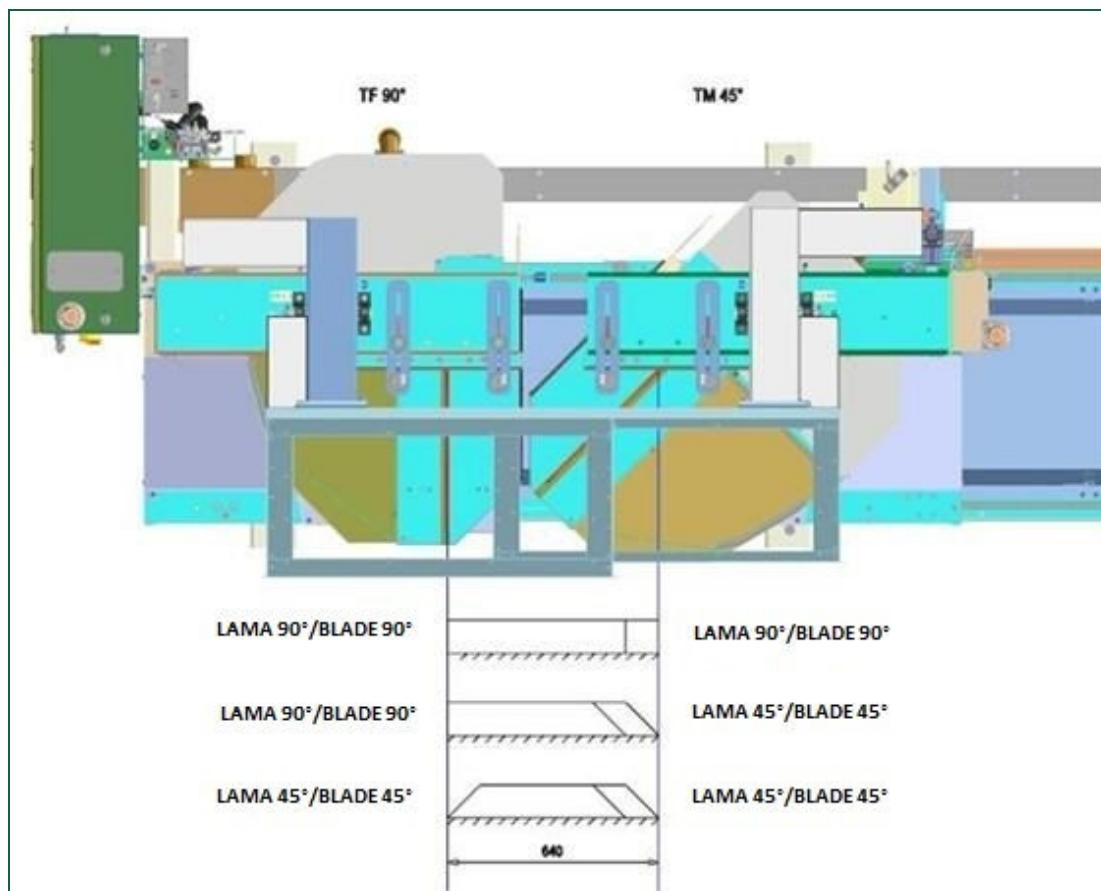


Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	RECOVERY OF SHORT EXTRUDED PIECES
90° *	90° *	110* mm

*with manual stop kit

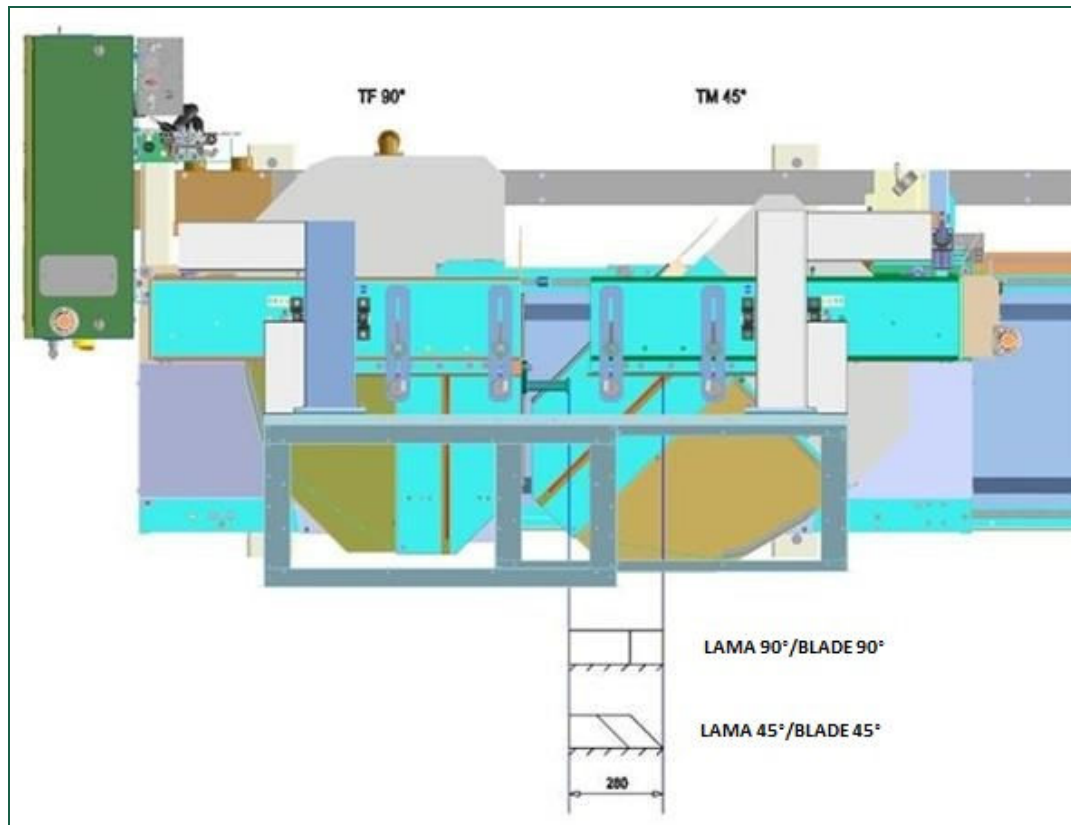
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
90°	45°	640 mm

Minimum Cuts

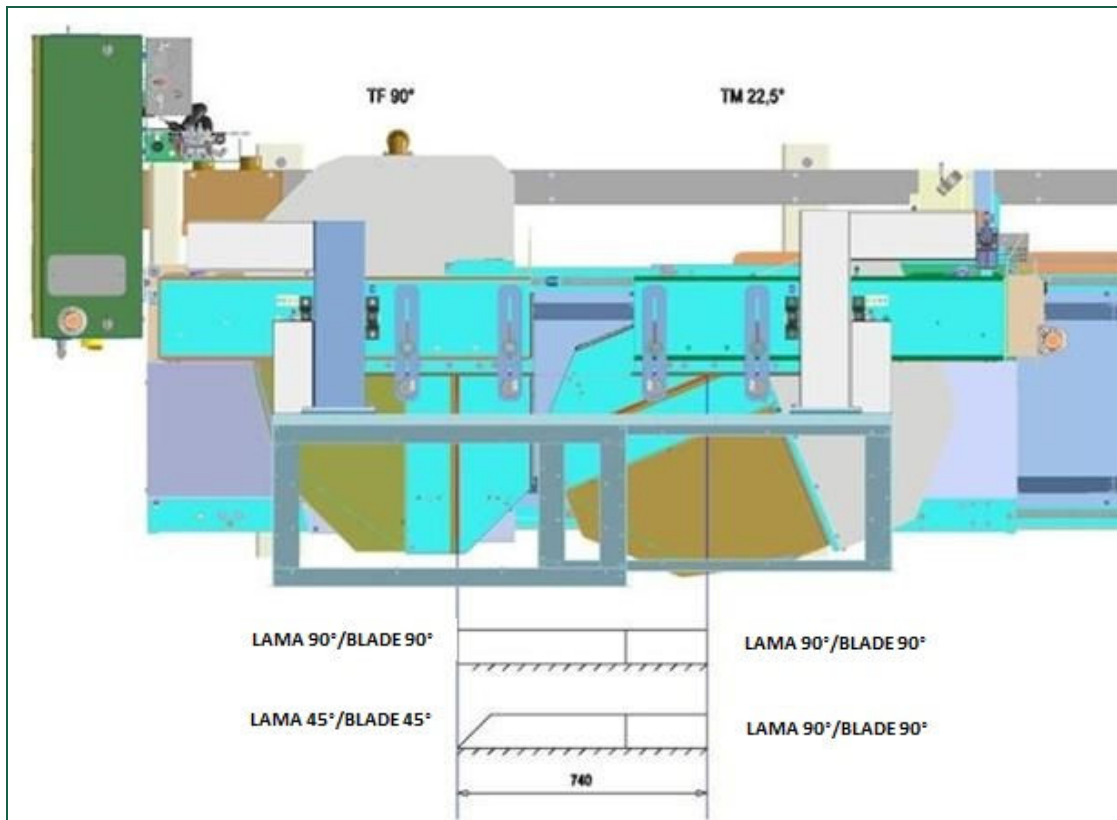


Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	RECOVERY OF SHORT EXTRUDED PIECES
90° *	45° *	280* mm

*with manual stop kit

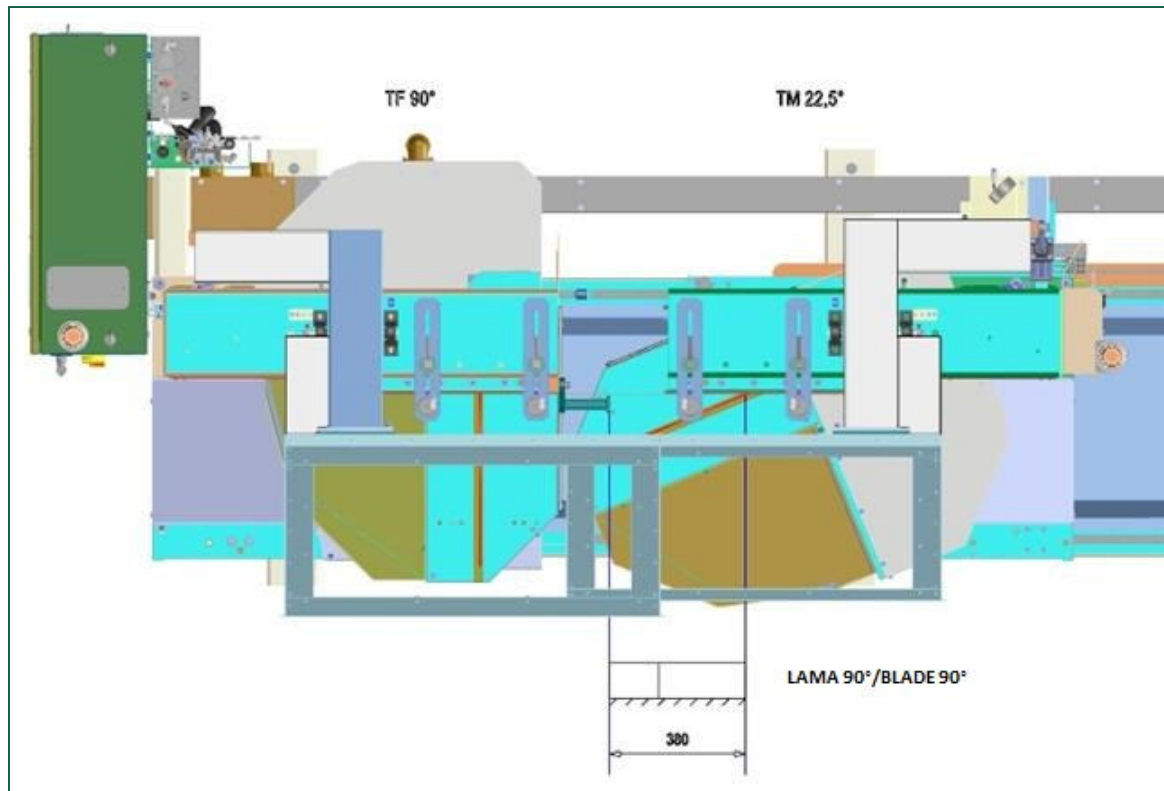
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
90°	22.5°	740 mm

Minimum Cuts

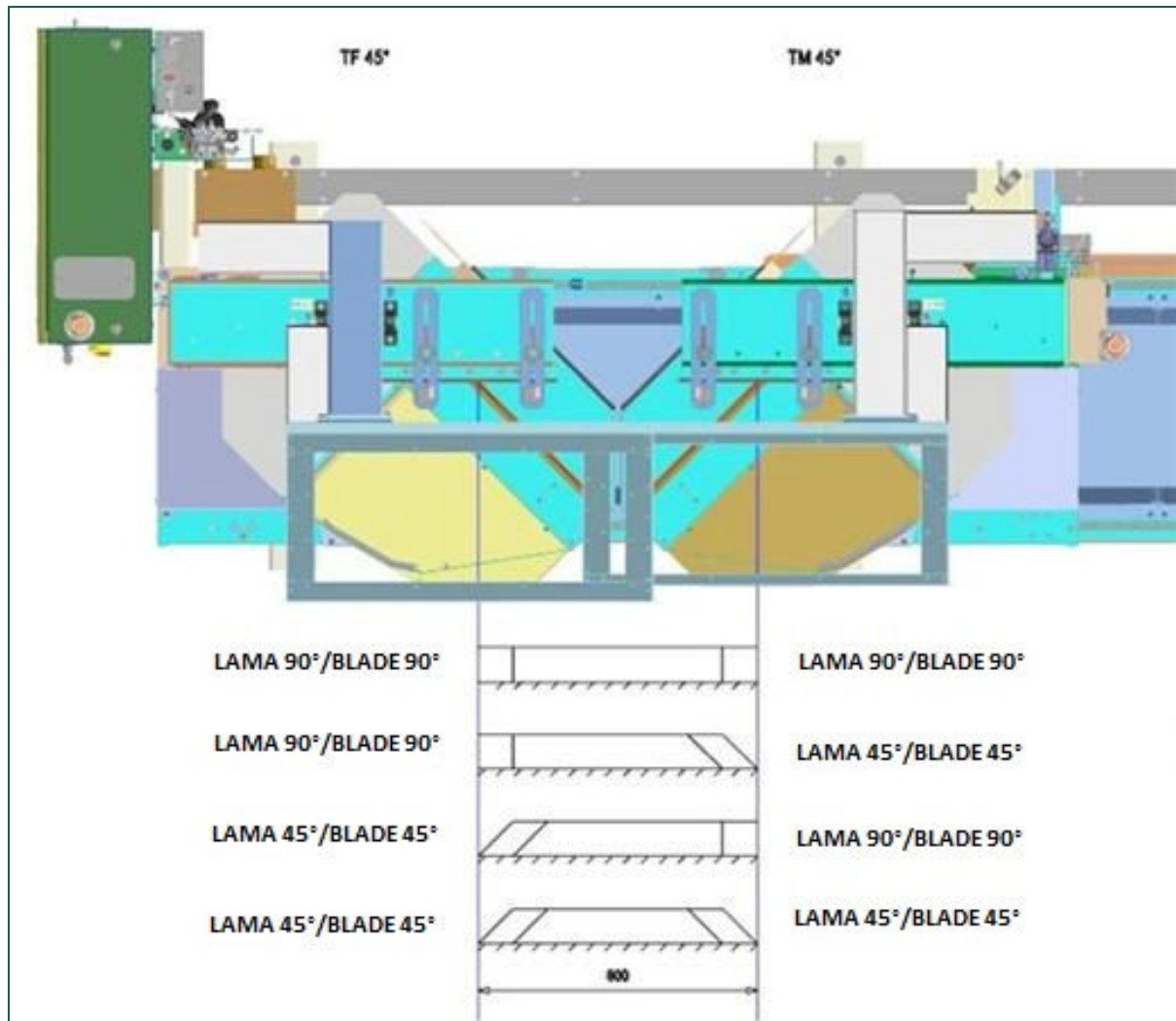


Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	RECOVERY OF SHORT EXTRUDED PIECES
90° *	22.5° *	380* mm

*with manual stop kit

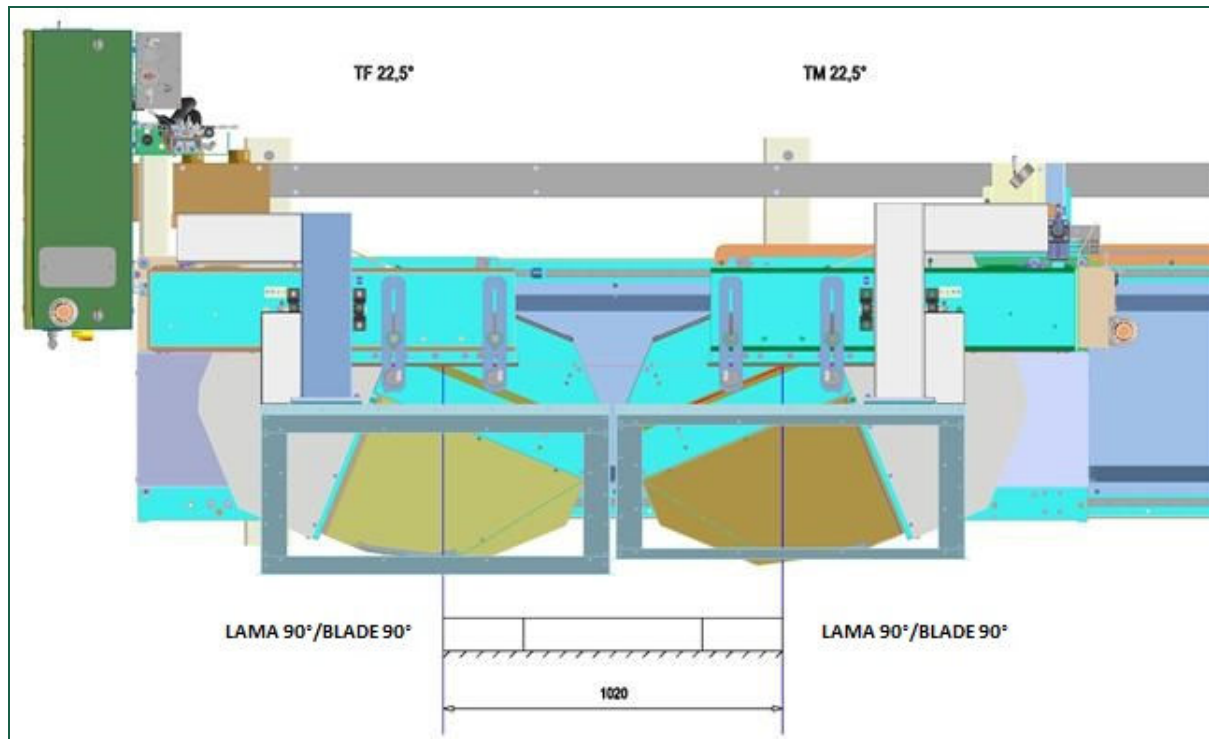
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
45°	45°	800 mm

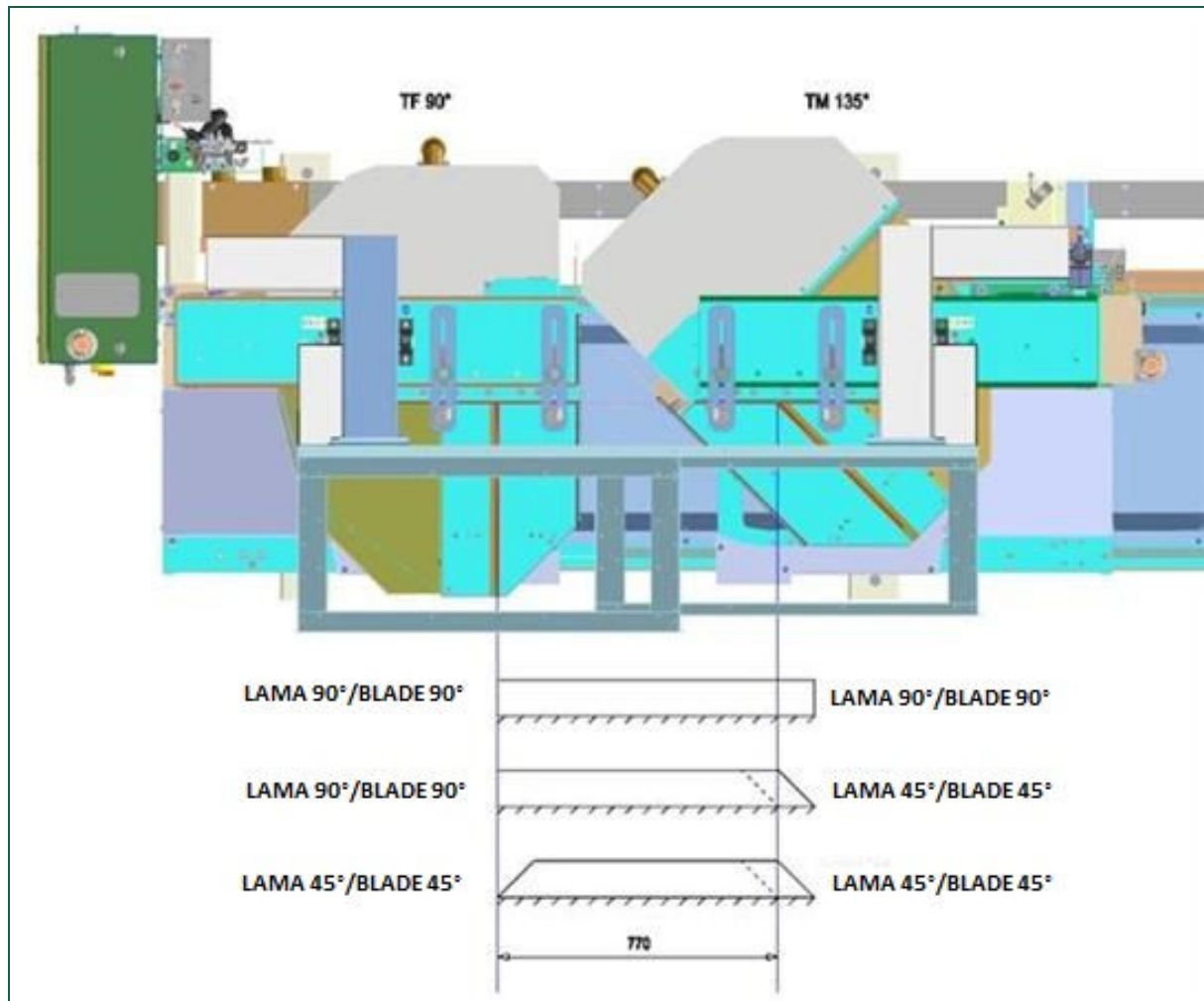
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
22.5°	22.5°	1020 mm

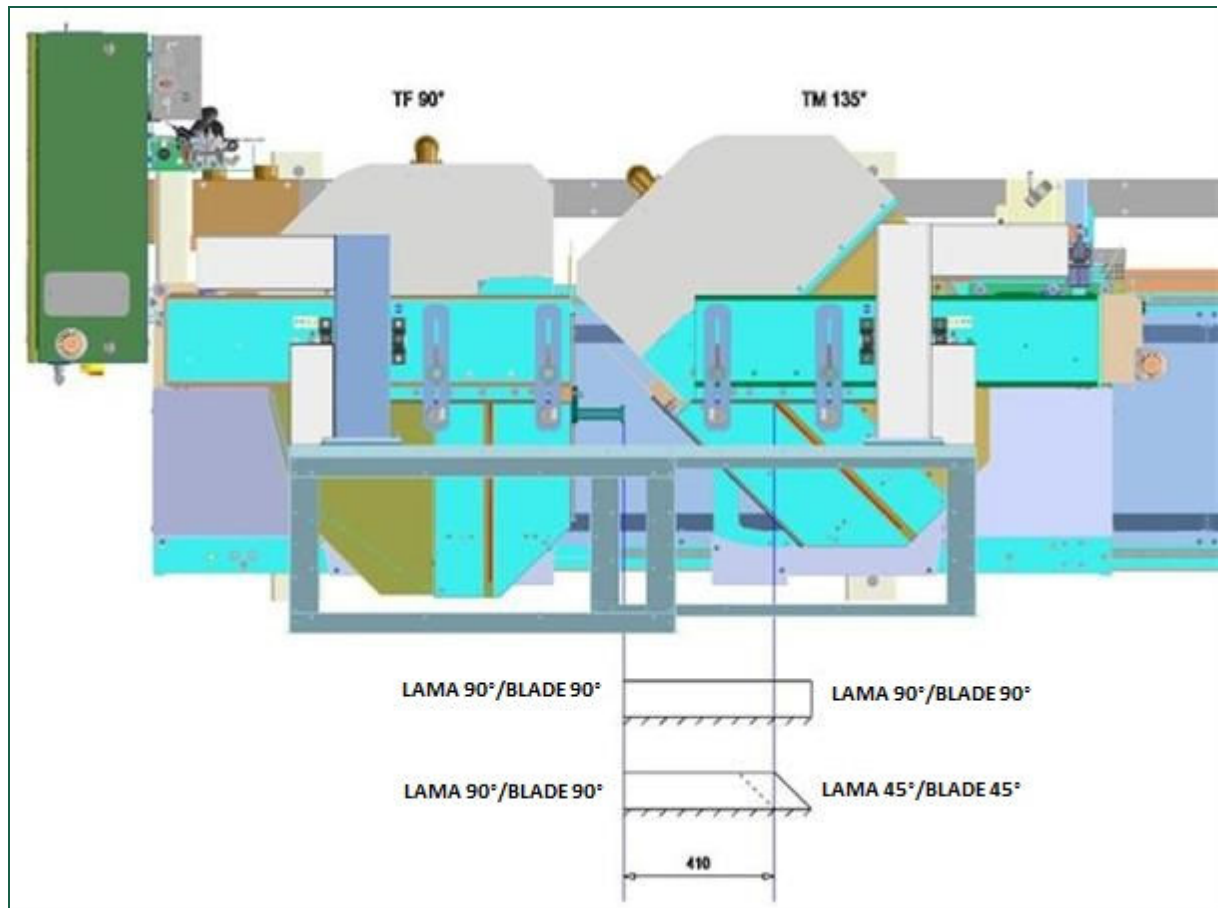
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
90°	135°	770 mm

Minimum Cuts

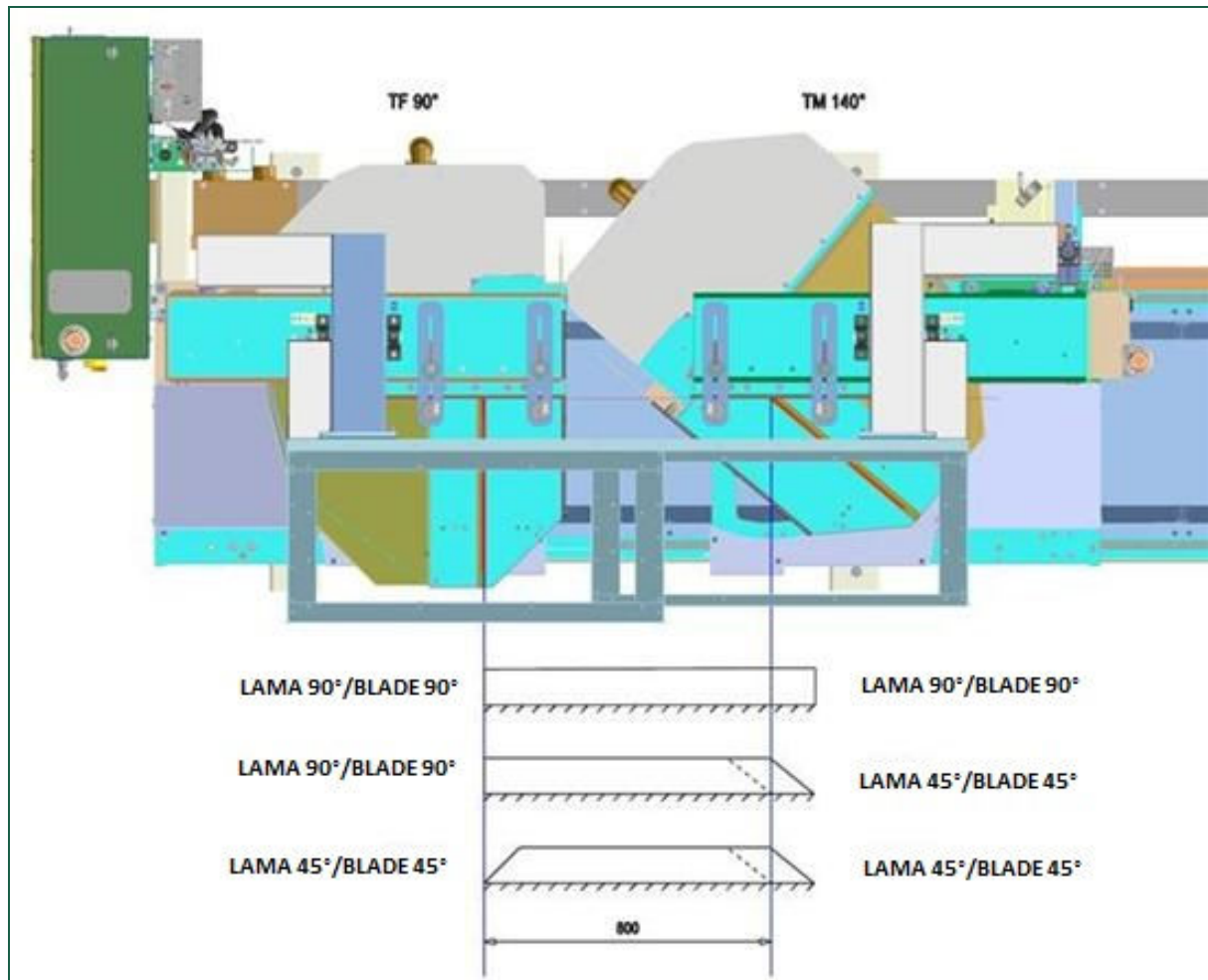


Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	RECOVERY OF SHORT EXTRUDED PIECES
90° *	135° *	410* mm

*with manual stop kit

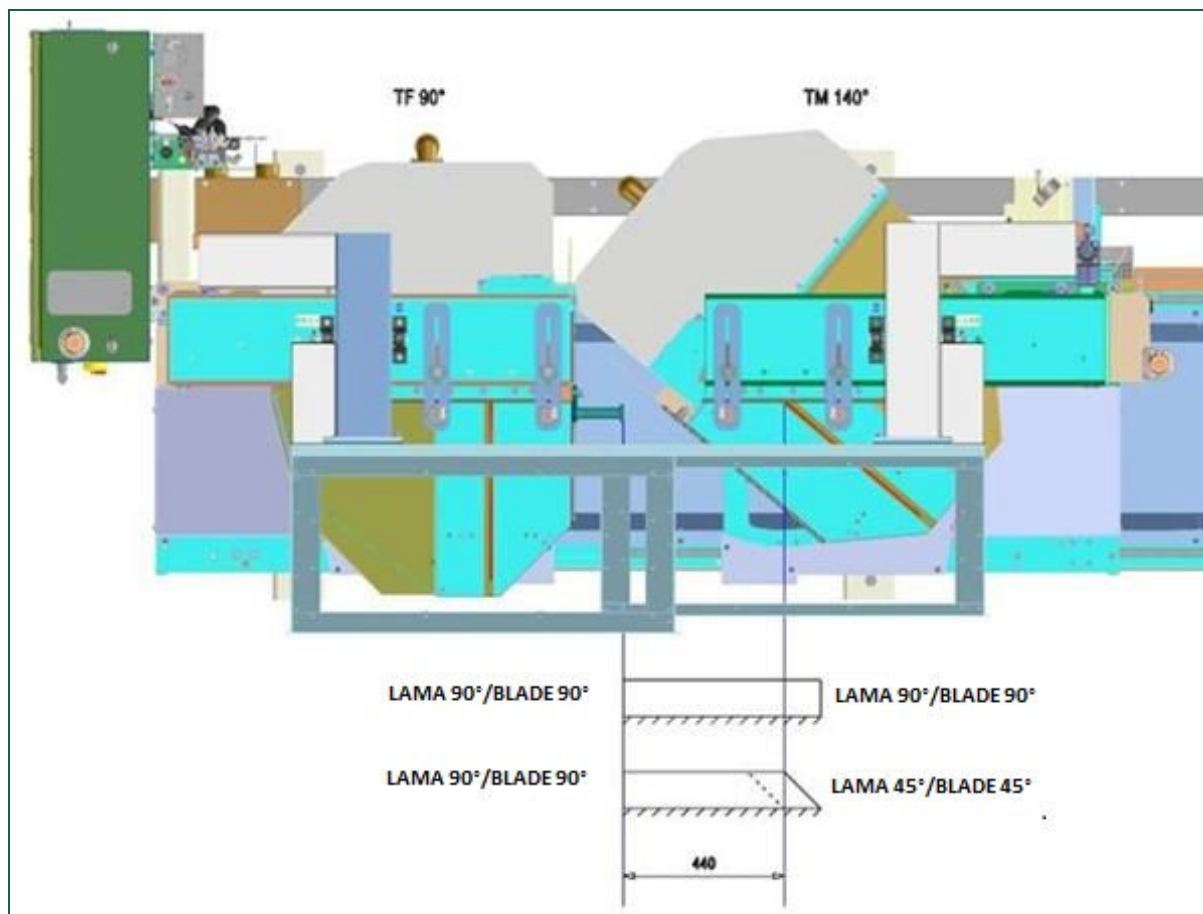
Minimum Cuts



Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	MINIMUM CUT
90°	140°	800 mm

Minimum Cuts

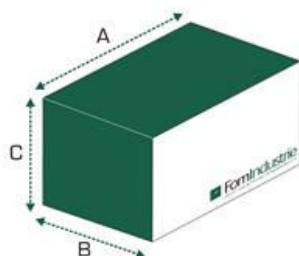


Profiles on view from operator side

FIXED HEAD	MOBILE HEAD	RECOVERY OF SHORT EXTRUDED PIECES
90° *	140° *	440* mm

*with manual stop kit

Overall Dimensions & Weight



Taglio Utile	A (mm)	B (mm)	C (mm)	Kg
m. 5	7350*	2100	1700	3150
m. 6,6	8950*	2100	1700	3370
* con evacuatore trucioli meccanico: A+1670				
* con rulliera testa mobile: A+2020				