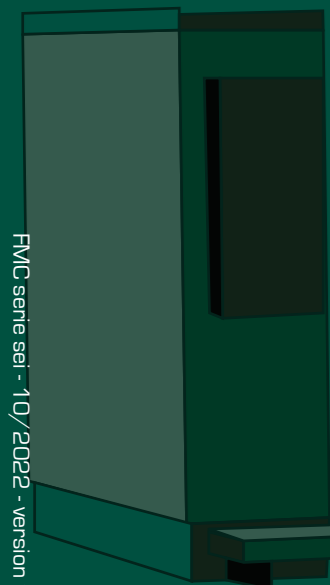


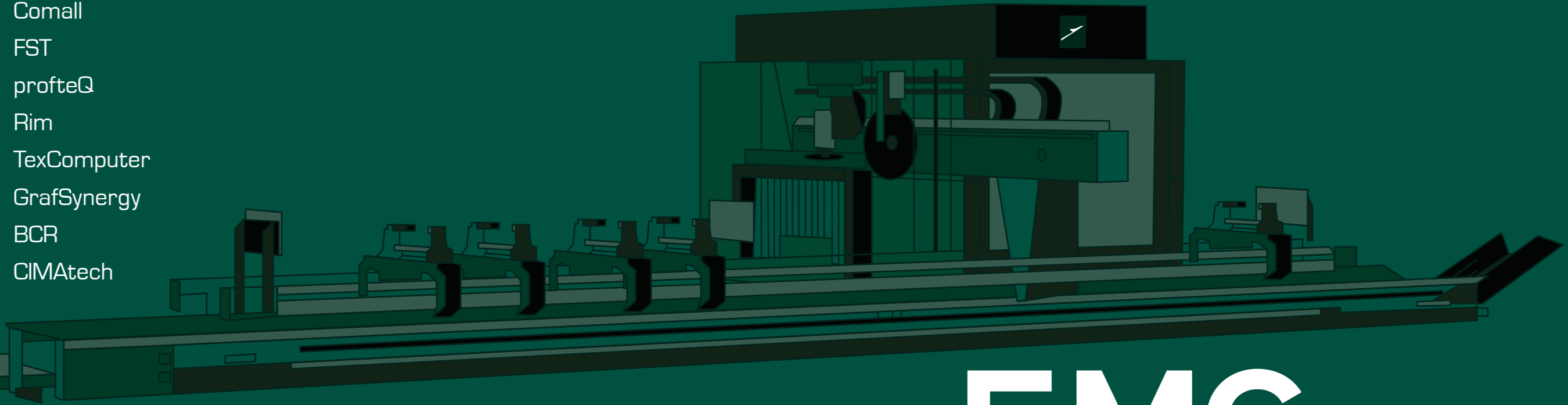


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FMC serie sei - 10/2022 - version 1.1



FMC

serie sei



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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.



FMC serie sei

Machining centre with 5 interpolating axes for machining on 5 faces of aluminium profiles with a cross-section of 530 x 400 mm and steel tubes up to 5 mm thick. HSK E63 22 KW 24000 rpm liquid-cooled electrospindle allows the production of custom machined and milled elements. According to the configuration chosen it is possible to carry out single area, double area, pendular or multi-piece machining (up to 8 pieces with XPAL). 6 versions are available according to the length of the machine bed and whether or not cutting unit X2 is present.

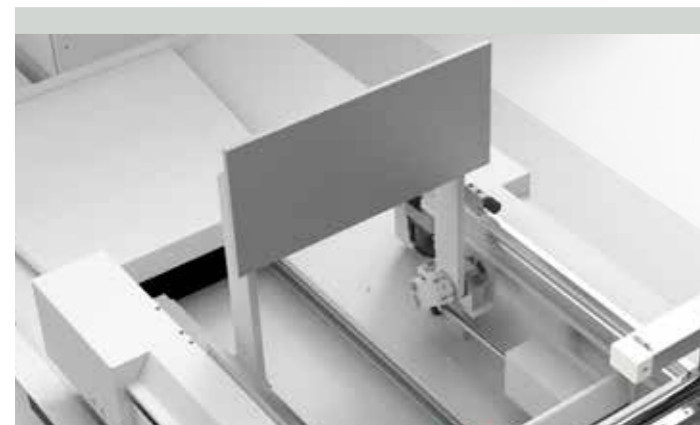
LOLA, our cloud based platform viewable from PC or mobile phone allows monitoring of machine status, machining statistics, state of machine components, scheduled and predictive maintenance.

INDUSTRY 4.0



PNEUMATICALLY TILTED FIXED STOP

Two side stops are fitted as standard. It is possible to add two centre stops to allow simultaneous machining of 4 bars.



FU 500

The FU 500 machining unit with 5 controlled axes carries out milling, boring, head machining, end machining, rigid tapping, cuts and pyramid cuts. The imposing electro-welded steel portal structure slides along the X axis drawn by a pair of Gantry axes, located at the two ends of the machine bed, to further improve machining precision.



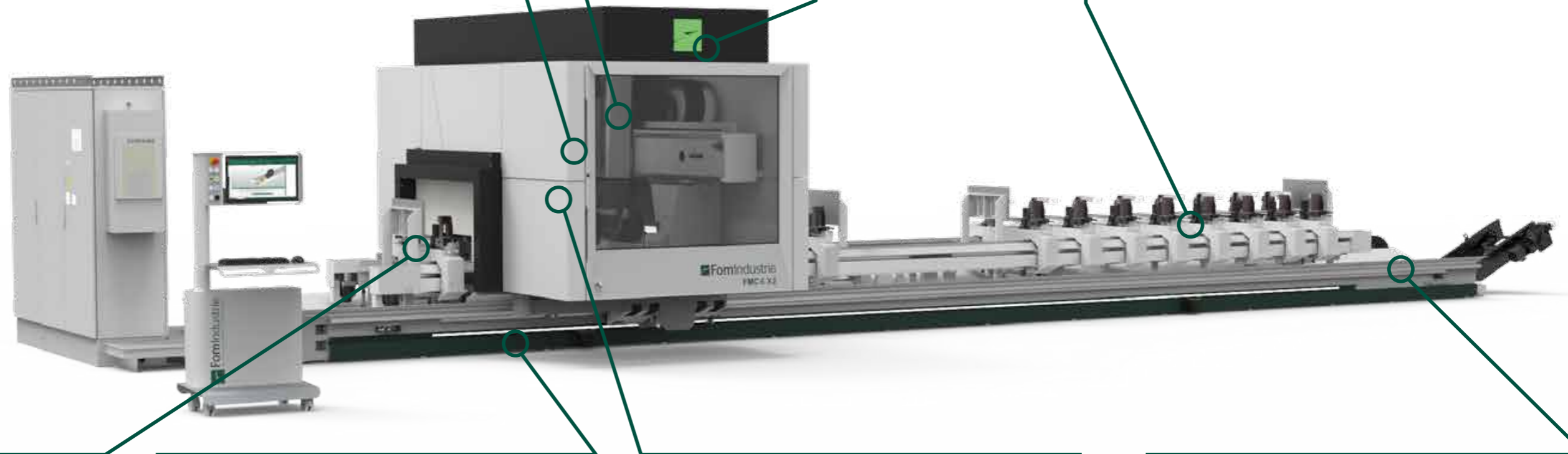
X2

on FMC 6 X2 versions, this is the additional cutting unit with 4 controlled axes, Ø650mm blade with 7.5 kW blade motor. The blade exit speed is adjusted using an inverter.



LUMINOUS FOM LOGO

indicating the machine status.



VICES

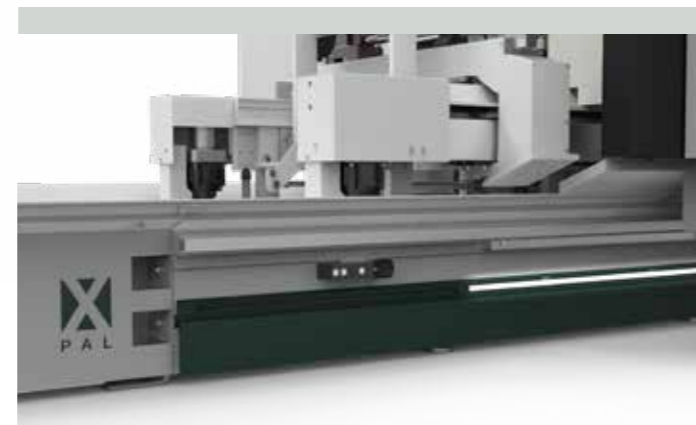
Each vice has a centre roller to facilitate loading and unloading of the profiles and prevent chip deposit. Sliding is NC controlled and takes place on straight guides. Movement using a pair of Gantry axes combats the high stress, generated by bending the bars, to which the vices are subjected during positioning. The vices can be configured quickly to adapt perfectly to the profile being locked, with wiring channels that are fully protected from chips and coolant fluids. Patented **X RAISE** vices with lifting support table are available on request.

FOM INDUSTRIE PATENT

X PAL (Positioning Assistant Led)

multifunction LEDs bar that assists the operator when using the machine and loading the bars (OPT).

FOM INDUSTRIE PATENT



TOOL MAGAZINE

Automatic 32 location chain type magazine. An additional location is present to house the Ø500mm blade. The tool magazine can be fitted with a device to check that the tool is undamaged and measure its length.



BASE

Shape optimised to collect chips and waste. The manufacturing specifications also make the machine bed of the FMC serie sei suitable for machining operations using lubri-cooling.

