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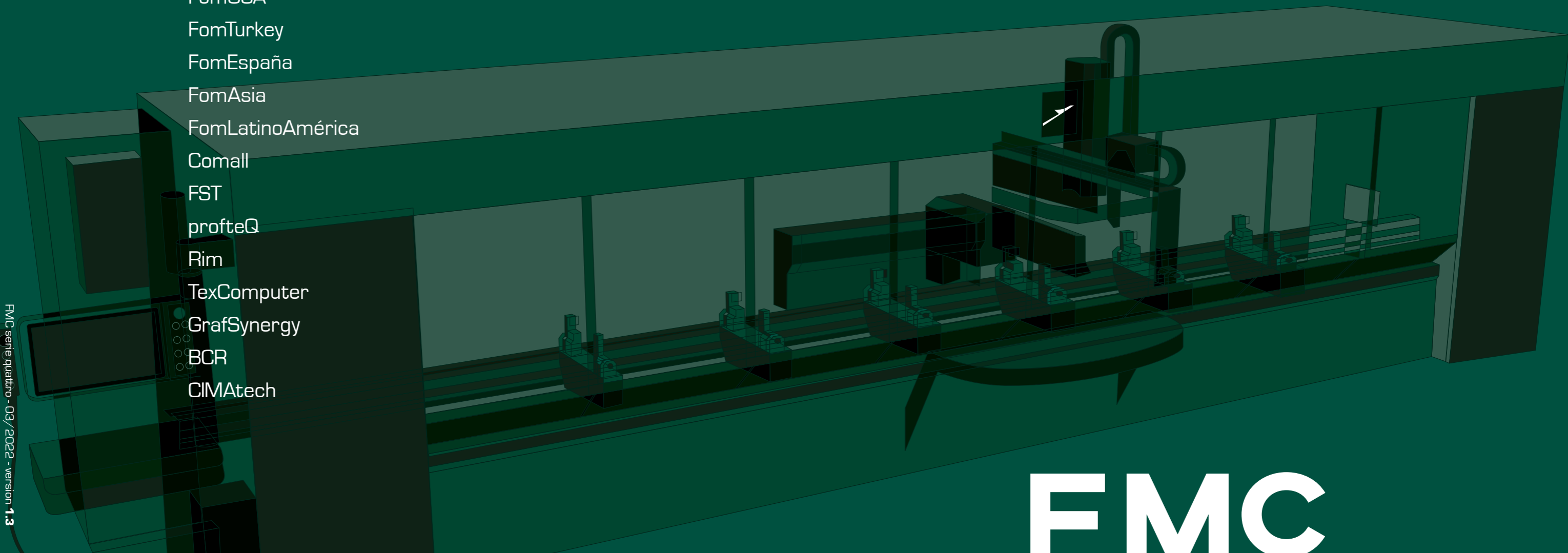
GrafSynergy

BCR

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FMC serie quattro - 03/2022 - version 1.3

Fom Industries



FMC

serie quattro

 **Fom Industries**
Aluminium Working Machinery

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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.



EMC

440.470

Fully automated processing centre with 4 interpolating axes for the machining on 3 faces of aluminium profiles with a cross-section of 250 x 270 mm and steel tubes up to 3 mm thick.

A 7 kW (11 kW optional) liquid-cooled electrospindle allows the production of custom machined and milled elements.

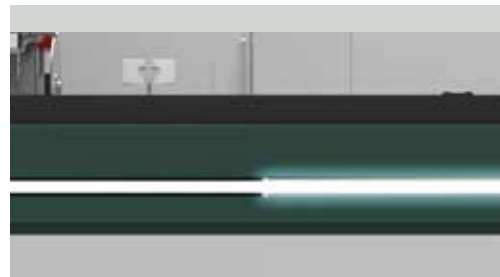
CONTROL CONSOLE

hooked to the guard cabin to run commands and programs. 24" screen display. Push button strip to control the machine during operations from every station.

X PAL (Positioning Assistant Led)

multi function LED assisting the operator in the machine use and bars positioning (optional).

FOM INDUSTRIE PATENT



BASE

shape optimised to collect chips and waste. FOM INDUSTRIE PATENT



FIXED TOOL MAGAZINE

allowing up to 8 tools to be loaded (optional).



X FLOW

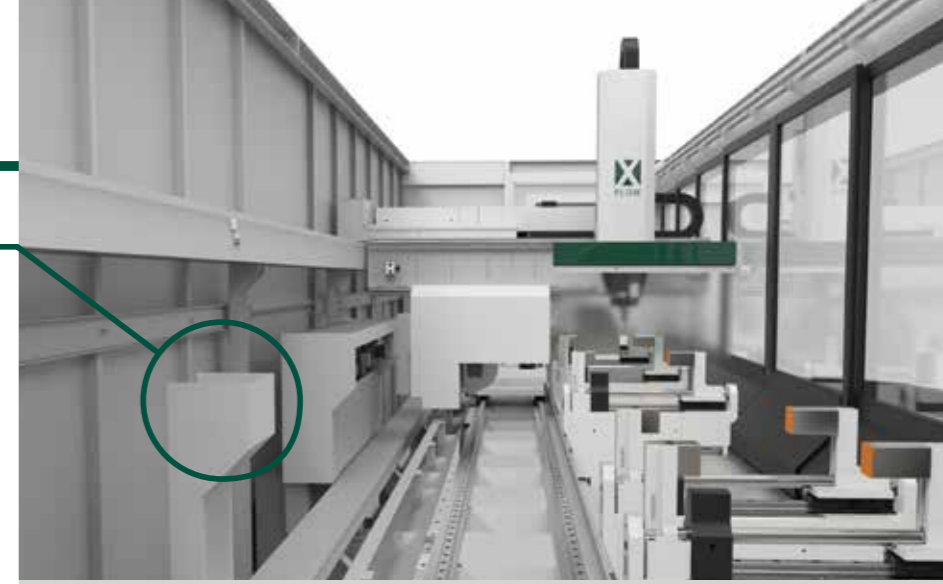
dynamic orientation of lubrication nozzles. FOM INDUSTRIE PATENT

LIGHTED FOM LOGO

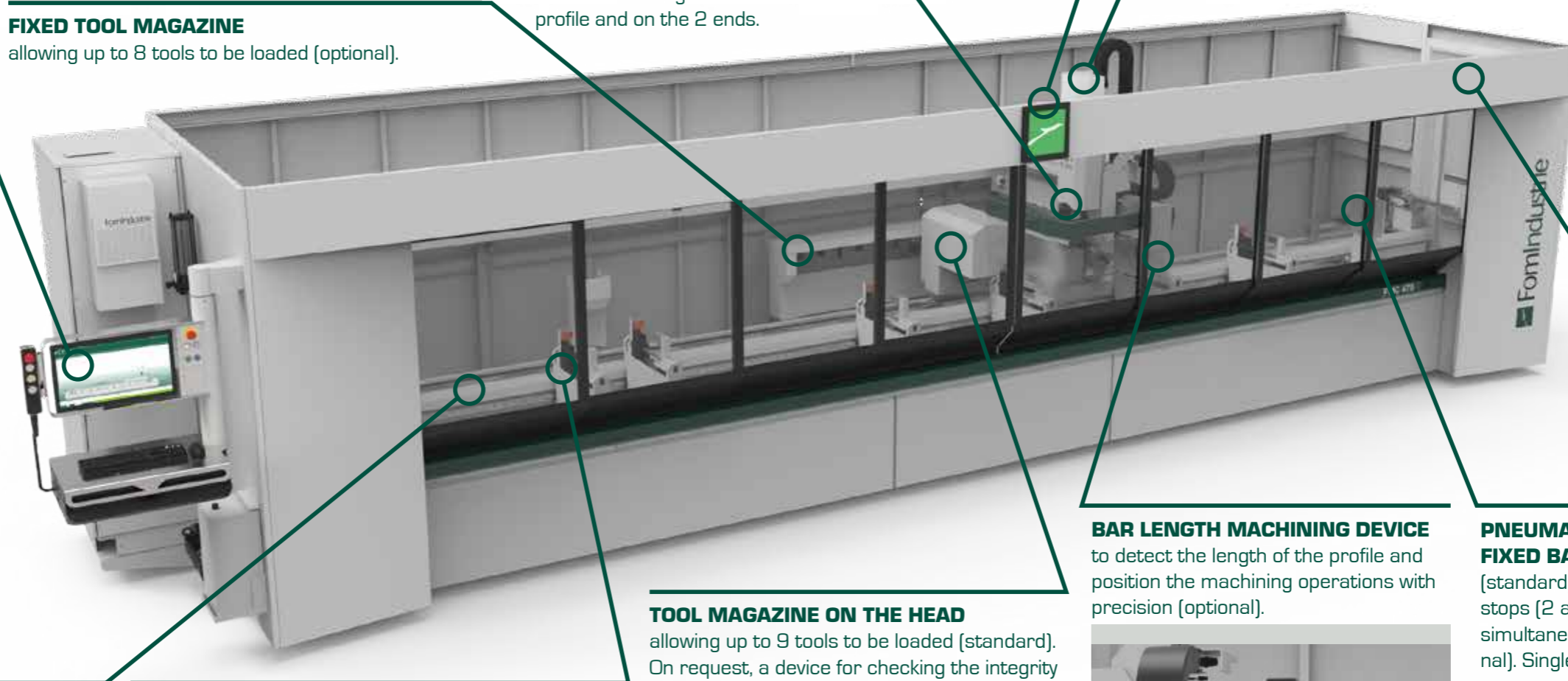
indicating the machine status.

MACHINING HEAD

allows machining on 3 sides of the profile and on the 2 ends.



X AXIS BEAM CARRIAGE made of electrowelded steel. It moves on straight recirculating ball guides, with a brushless motor guaranteeing high performance. Working speeds of up to 100m/min.



LUBRICATION OF MECHANICAL COMPONENTS

automatic for the straight guides and recirculating ball screw lead screws.

GUARD SYSTEM

the ergonomic line guarantees ample visibility during machining operations.

BAR LENGTH MACHINING DEVICE

to detect the length of the profile and position the machining operations with precision (optional).

PNEUMATICALLY CONTROLLED FIXED BAR POSITIONING STOP

(standard). It is possible to add up to 3 stops (2 automatic, 1 fixed) to allow simultaneous machining of 4 bars (optional). Single working area, double working area, pendular machining.

TOOL MAGAZINE ON THE HEAD

allowing up to 9 tools to be loaded (standard). On request, a device for checking the integrity and for measuring the length of the tool can be fitted on the tool magazine in order to guarantee precise machining always (optional).

VICES

made of cast aluminium with controlled automatic positioning in X using an upright (standard) or independently (optional).

