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FMC serie uno - 01/2024 - version 1.4

FMC

serie uno

 **FomIndustrie**
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.



FMC 120

Machining centre with 3 controlled axes and pneumatic rotation of the table to carry out drilling and milling operations on aluminium or steel profiles.

Equipped as standard with minimum lubrication, double stop, manual 6 location tool magazine and electrospindle with quick-release tool coupling, the FMC 120 is the solution that combines compact working dimensions and high machining performance. Numerous configuration options are available (automatic tool change, rigid tapping, flow drilling, rotation of the adjustable table to intermediate angles, lubri-cooling), making FMC 120 a solution that can be scaled to many different needs.

OVERVIEW

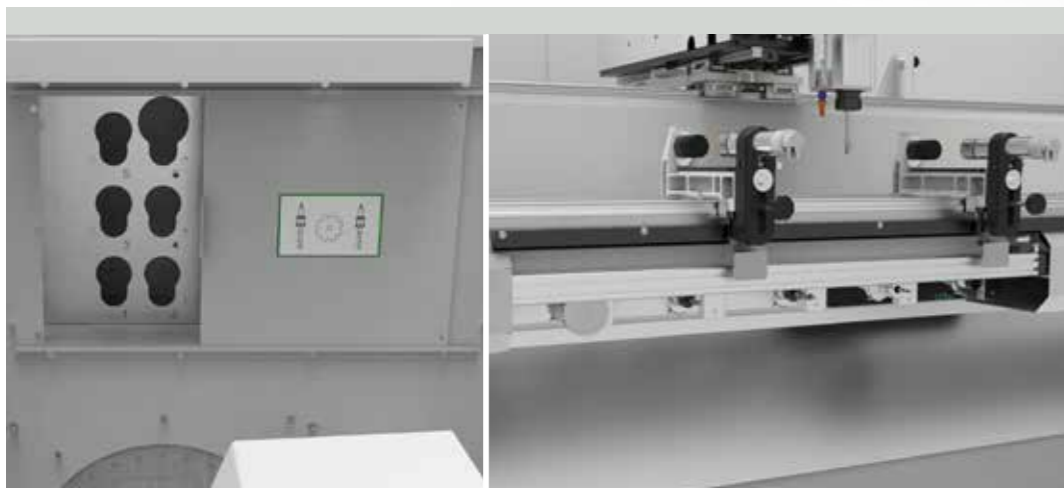
The console is adjustable for easy control of the working area and it is equipped with a practical push-button panel. 24" display.

ERGONOMICS AND SAFETY

The safety guard system guarantees extensive visibility in the working area and maintains profile loading and unloading ergonomics.

TOOL MAGAZINE

Allows loading of up to 6 tools. On request, it can be supplied with an automatic 5 location tool magazine positioned on the rotating beam.



WORKING AREA CONFIGURATION

It is possible to carry out multi-piece and oversized machining with the two standard stops moved manually (or pneumatically, on request). In addition an optional third stop fitted on the external tunnel.



ELECTROSPINDLE

Air cooled 3kW ISO 30 providing power and reliability in every working condition.



STANDARD VICES

In cast aluminium with dual working pressure and manual positioning in X. Their small size reduces the need to reposition the vices and ensures firm locking very close to the machining point. Adjustment is quick and does not require the use of tools.



Vices with manual positioning and automatic locking of the longitudinal position are also available on request.

EASY TO SET

This is the optional package that simplifies and reduces operator interventions to set up the machine by increasing the level of automation. The process becomes faster and both precision and coherence are increased.

CENTRALISED MECHANICAL COMPONENT LUBRICATION

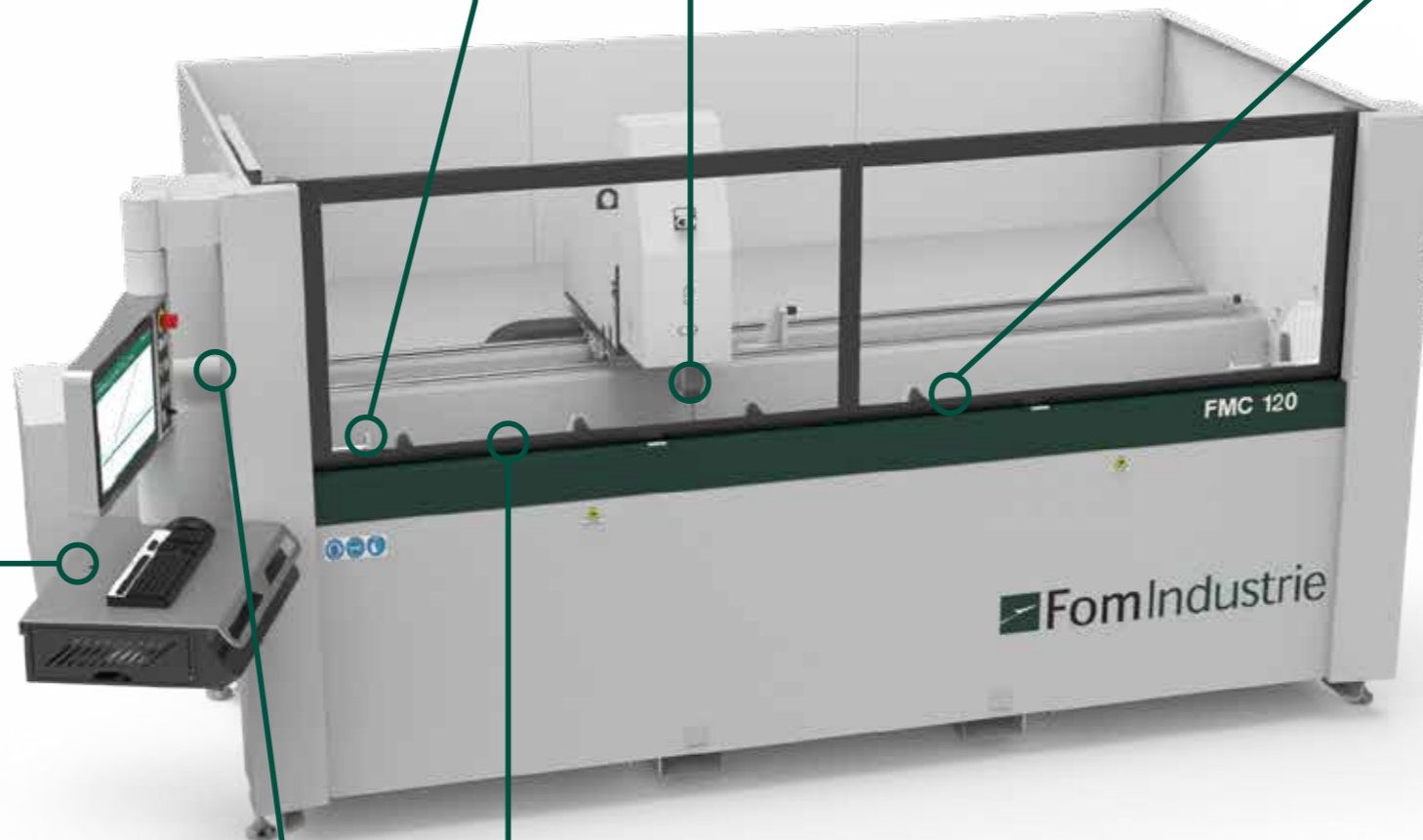
Simplified, fast maintenance because the lubrication points are combined in two points.

TOOL LUBRICATION

Minimum lubrication required. The lubricant used is pure oil or, in addition to this if requested, can be provided with a water/oil emulsion (lubricating coolant).

DRY MACHINING

Dry machining (on request) increases all the production and sustainability KPIs. Allows an excellent finish and high feed levels, while at the same time the tool life is noticeably longer compared to traditional machining operations. Finally, all waste disposal and management costs are eliminated, as there are no used oils and fumes.



BEAM

Allows machining on 3 sides of the profile and on the 2 ends. On request, rotation of the work table to intermediate angles with manual stop.

