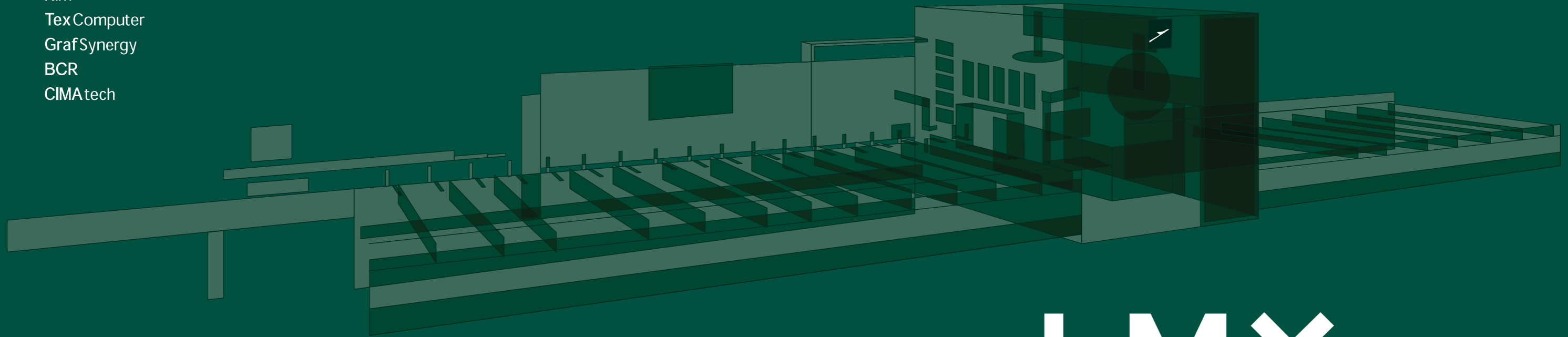




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# LMX 650

LMX 650 - 11/2021 - version 1.1



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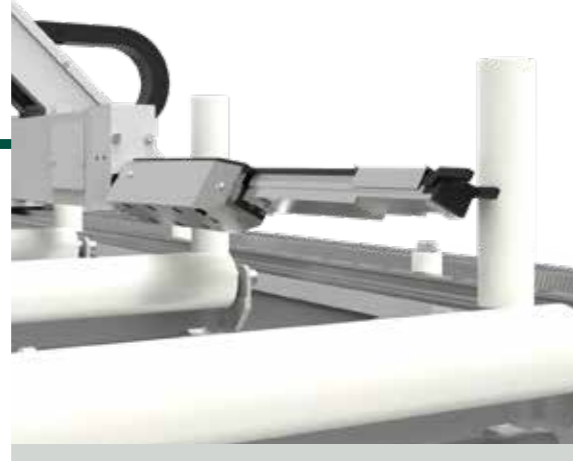
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# LMX 650

The processing unit tooled up with max 18 electrospindles and the cutting unit with infinite 360° blade rotation produce a continuous flow of processed and cut to measure elements. The additional machining module XMU carries out end milling (with blade, mill or mill units), boring and head tapping, as well as 45° and 135° inclined cuts, guaranteeing maximum flexibility for numerous applications. The high visibility cabin and the presence of the luminous FOM logo indicating the machine status are a feature of the system's futuristic design. 6 different variants are available, which can be configured in terms of length of material loading/unloading magazines and right or left material feed direction.



**GRIPPER**  
with automatic controlled positioning allows rapid and accurate adaptation of pick-up at variable angles.



**SOUNDPROOF CABIN**  
with wide visibility and luminous Fom Logo indicating the machine status.



**MULTISPINDLE MACHINING UNIT**  
designed to carry out machining operations on all four sides of the profile. Tilting electrospindles are available with pneumatic or controlled drive rotation for oblique machining operations and electrospindles for rigid tapping. Designed to receive up to 18 HSK-C40 electrospindles.

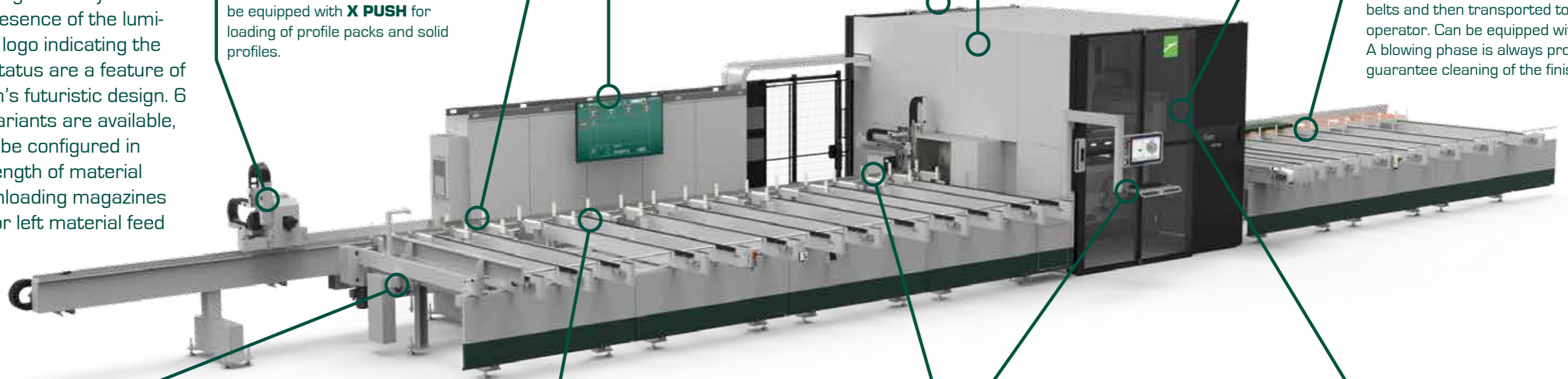


**X MODULE** this is the downfeed cutting unit driven by 4 controlled axes (x,y,z and rotation A) and Ø650mm blade. Two groups of motorised vices are provided for proper alignment and pneumatic locking of incoming and outgoing profiles. The vice surfaces are equipped with blowers to clean away any chips.

**BAR FEEDER AND PROFILE PICKUP SYSTEM**  
consisting of an electrowelded steel beam that guarantees long-term rigidity and stability, can be equipped with **X PUSH** for loading of profile packs and solid profiles.

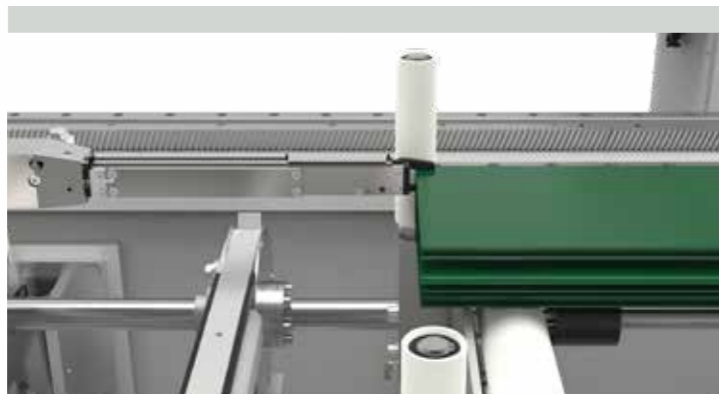
**55" LCD SCREEN**  
to view the programs and the bars to be loaded.

**UNLOADING MAGAZINE** allows the finished pieces to be rapidly extracted, stored and compacted on motorised belts and then transported towards the operator. Can be equipped with **X PULL**. A blowing phase is always provided to guarantee cleaning of the finished piece.



**LOADING MAGAZINE**  
carries out accumulation and horizontal transfer of the profiles. The profile is moved onto the bar feeder rollers by a controlled device.

**PROFILE FEED SYSTEM**  
consisting of horizontal rollers and vertical rollers in non-scratch material. For machining of profiles with highly complex and irregular geometries, the bar feeder can be supplied with an innovative controlled axis device to overturn and automatically support the profile.



**X LAB - AUTOMATIC PRINTER**  
applying labels to the moving bar. The label can be applied to the top or rear side.



**ADJUSTABLE CONTROL CONSOLE**  
hooked to the guard cabin to run commands and programs.



**XMU X Milling Unit** is the additional machining unit with 16kW electrospindle for milling, end milling and cutting with front blade feed.

