

AUTOMATIC LINES

LMR12

The system, which is commanded entirely by a numerical control, produces elements machined by a screwing station and a multi-spindle centre plate machining unit with 3 interpolating axes. The initial magazine loads up to 12 profiles cut to measure complete with metal reinforcement, which are transferred by the gripper to be machined in a continuous, unmanned cycle. The screwing station consists of two opposite screwing devices that operate in masked time with respect to the subsequent machining phase on the centre plate. The machining unit is equipped with 4 electrospindles plus 3 tool holder motors and has been designed to carry out boring and milling operations on the four sides of the profile and boring operations on the metal reinforcement.

INDUSTRY 4.0
R E A D Y

pQ Stat

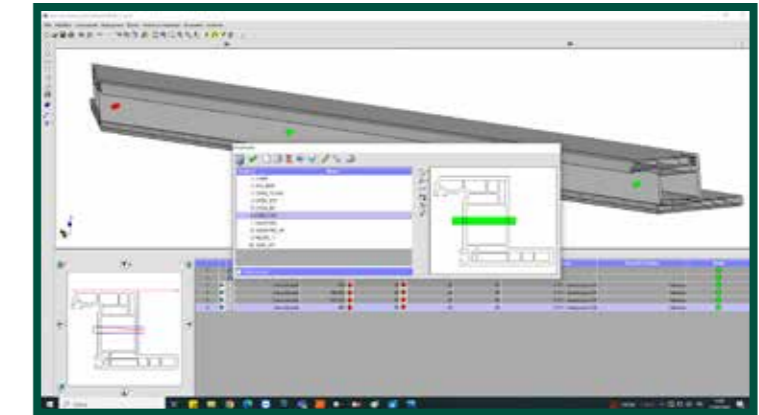


pQ Cam

SOFTWARE

PQCam is a CAM program for machining of PVC Profiles, with 3D display of the profile and the machining operation. PQCam makes up the CNC programs automatically and, thanks to extremely realistic simulation of the machining operation, allows all the machining centre's movements to be checked with extreme precision.

pQ Cam



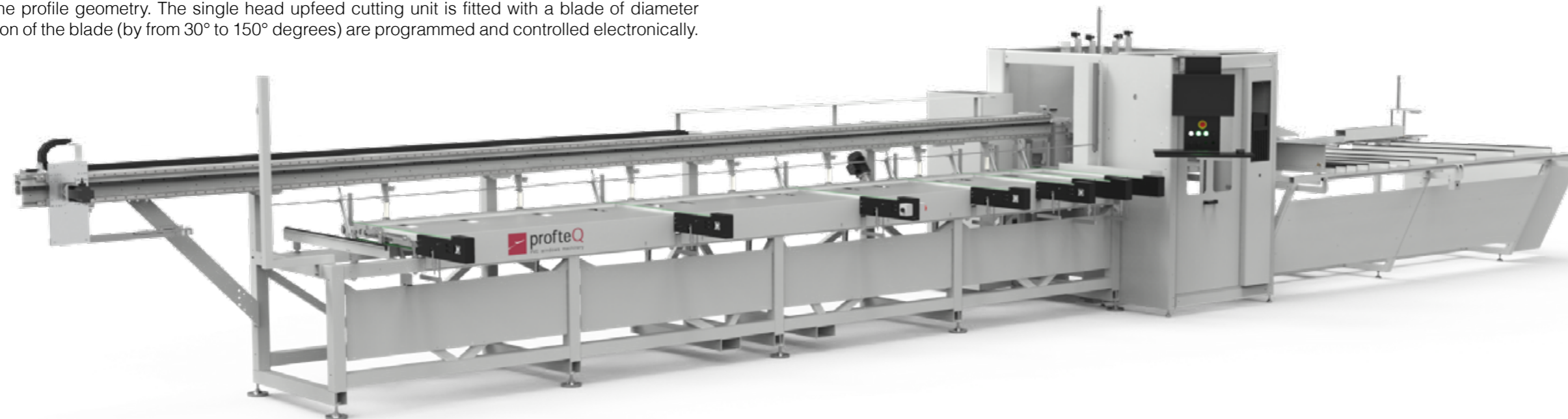
LT10

Cutting line with 3 controlled axes complete with bar feeder, loading magazine and unloading magazine for the cut pieces. The loading magazine feeds the cutting unit continuously. Initial alignment of the bar takes place on special stop rollers. On request it is also possible to add a device to load a box profile.

Locking of the profile in the cutting unit is always optimal because the closing sequence of the 6 independent vices can be programmed according to the profile geometry. The single head upfeed cutting unit is fitted with a blade of diameter 550mm. Movement and orientation of the blade (by from 30° to 150° degrees) are programmed and controlled electronically.

INDUSTRY 4.0
R E A D Y

pQ Stat



pQ Line

PQLine is the software managing the LT10 cutting line. PQLine imports, edits and modifies the cutting lists, optimising them to reduce the use of material. This is because the program makes use of the offcuts available in the archive and also considers spoiled areas on the bar, so that pieces are not inserted in those areas.

pQ Line





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