



AUTOMAZIONI
MACCHINE
SERVIZI

series

TITANPRESS

...the evolution of frame presses



No compromise in terms of quality

TITANPRESS series is the solution proposed by AMS for assembling window sashes, window frames, framed doors and louvers.

Robust design and manufacturing accuracy make AMS presses the best choice for those who don't accept any compromise in terms of product quality.

Work-cycle automation together with quick and precise motion enhance productivity by dramatically reducing operator's fatigue and dead times.



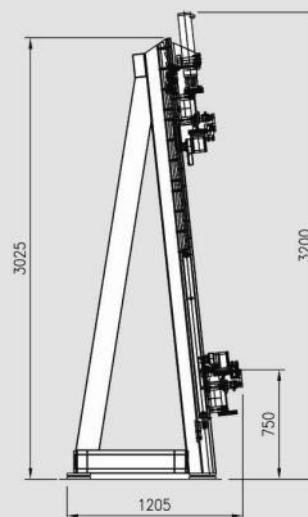
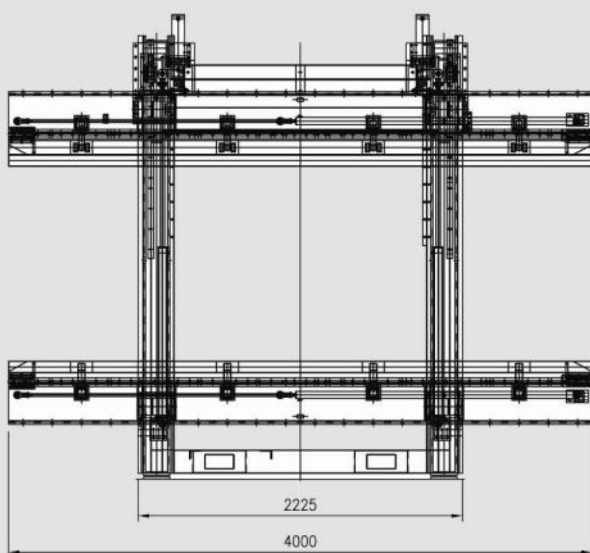
- /// Pressing movements operated by 4 independent CNC controlled axes
- /// Full automatic work-cycle with quick pre-positioning
- /// Assisted loading operation
- /// Easy import of production list from file: paperless workstation
- /// Clear and simple operator interface displayed on LCD monitor
- /// Remote assistance through the web

Technology for productivity

The press is controlled by a PC with integrated NC to perform position control of the 4 pressing axes which can be operated either by hydraulic cylinders or by brushless motors. The vertical movement of the upper pressing beam is performed by 2 independently controlled axes to ensure maximum precision and parallelism of the assembled product even in case of extremely asymmetric forces.

The PC can manage production lists which can be imported from files or acquired via several data acquisition devices (bar code, RFID,...) so to avoid programming errors and to reduce dead times connected to data entry.

Once the work-cycle has been started the press positions itself according to the active program in order to make loading operation easy: each piece is automatically blocked in a pre-assembling position. In case of big sashes/frames, the upper beam comes down to a programmable position to allow the operator to load the upper element without effort. The pressing operation can be fully automatic, semi automatic or manual. At the end of the cycle the press opens itself to make download operation easier.



Standard sash/frame dimensions

Horizontal (min/max): 250/3500mm

Vertical (min/max): 400/1750mm

Standard press dimensions

Width: 4000 mm

Height: 3200 mm

Depth: 1205 mm

Customization is our standard

AMS presses are custom-made, designed and manufactured to meet the specific needs of our customers in terms of dimensions of the product which can be much bigger than standard, shape of the product (e.g. trapezoidal frames) or additional operations to be performed on the press.

A short list of most common optional features:

- Automatic counter-shape for pre-profiled elements
- Blocking system for central post
- Automatic nailers and screwdrivers
- Automatic drilling and milling group
- Motion of lower beam to increase dimension range
- Auto-centering pressing movements
- Automatic gluing
- Automatic sash/frame download and stacking



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