FASTENERS PRESS 1024

HIGH-PRECISION ASSEMBLY TECHNOLOGY

TECHNICAL SPECIFICATIONS

DATA AND STANDARD CONFIGURATION

TYPE	FASTENERS PRESS 1024
Die depth	600 mm
Maximum die height	450 mm
Punch stroke	250 mm
Upper punch approach speed	60 mm / sec
Anti-crushing protection system	Safety system with electrical conductivity check
Maximum pressure	10 kN (10T)
Uppear dead centre	10 mm – 100 mm
Drive system	Hydraulic with electronic control
Repeatability of set pressure	±1%
Touch screen	15" PLC
Dimensions (mm)	H x L x D 2100 - 1100 - 950
Electrical specifications	380V 5.5 kW / three-phase + neutral
Gross weight	1100 Kg

CONSTRUCTION TECHNOLOGY

CONTROLS, COMPONENTS AND ARCHITECTURE

A) Hydraulic cylinder

B) Display
Digital display for piece counting, setting the number of fasteners per cycle, counting the number of work cycles performed, and controlling the punch lift and automatic pressure control depending on the automatic kit.

C) The control panel features

- Emergency stop button
- Operating light

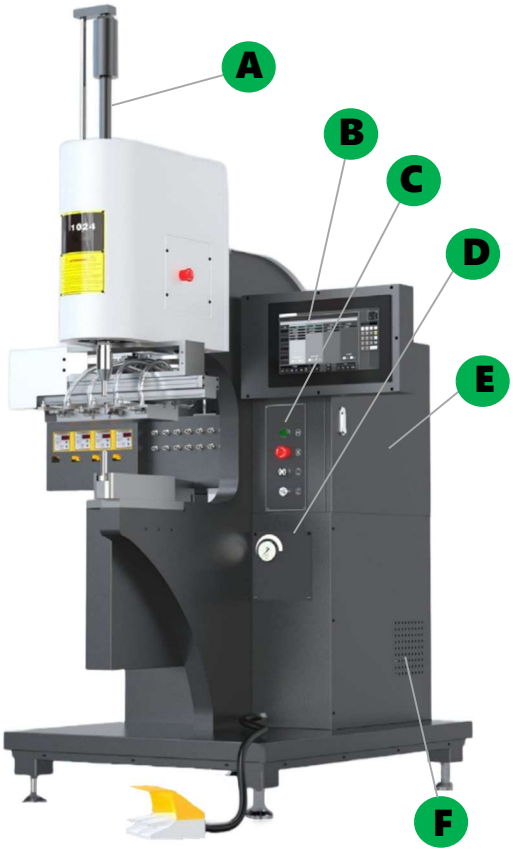
D) The 1024 press
is a machine designed for fully automatic operations, ensuring continuous and repetitive work cycles with minimal operator intervention.

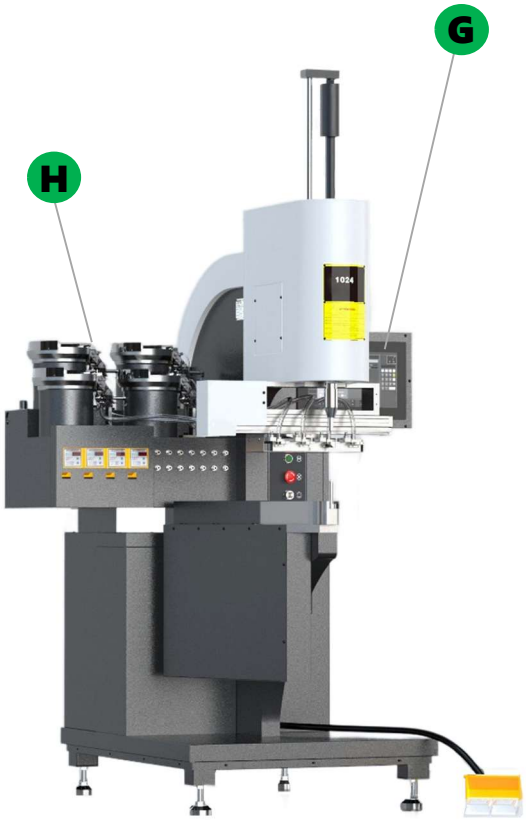
E) Electrical panel
All the components are readily available.

F) Hydraulic cooling system

G) On-screen display of the pressing force, visible at all times during each work cycle: quick and precise pressure adjustments that can be easily set for each work programme

H) Automatic feeder (4 feeders)





PROCESS AUTOMATION

AUTOMATIC FEEDING SYSTEM AND DISPLAY

Automatic feeder

The press can accommodate 4 automatic feeders, a solution recommended for high-volume mass production. The use of the automatic system significantly increases productivity compared to the manual cycle, reducing cycle times depending on the type and size of the components. The system replaces the standard tool kit and is compatible with the full range of fasteners that can be used on the 1024 model.

Digital display

- **Piecework and cycle counting:** real-time monitoring of machined components and completed work cycles.
- **Element configuration:** precise setting of the number of fasteners for each individual cycle.
- **Punch management:** optimised control of the punch's lift and stroke.
- **Automatic pressure:** automatic adjustment and management of pressure according to the kit installed.

FEEDING KIT

AUTOMATIC FEEDING SYSTEM FOR SELF-CLINCHING FASTENERS

Automatic nuts feeding kit

Available on request for:

- **M3 nut** (Ø 4,2 mm)
- **M4 nut** (Ø 5,4 mm)
- **M5 nut**
- **M6 nut**

Automatic studs feeding kit

Available on request for:

- **M3 Threaded stud** (L max 20 mm)
- **M4 Threaded stud** (L max 20 mm)
- **M5 Threaded stud** (L max 20 mm)
- **M6 Threaded stud** (L max 20 mm)

Automatic spacers feeding kit

Available on request for:

- **M3 spacer** (Ø 4,2 mm | L max 12 mm)
- **M3 spacer** (Ø 5,4 mm | L max 12 mm)
- **M4/M5 spacer** (Ø 7,2 mm | L max 12 mm)