

PRESSES FOR METAL PACKAGING

SHELL
CONVERSION
BOTTOM-ENDS
CAPS
DRD CANS
CAN COMPONENTS



Vatan Makina

www.vatanmakina.com.tr

FULLY AUTOMATIC SHEET FEED PRESSES

THE MOST ACCURATE, PRECISE, RIGID AND ROBUST SOLID SHEET FEED PRESSES

Vatan offers state-of-art technology in design and manufacturing of the mechanical eccentric presses. Vatan presses offers the most effective and highest achievable performance.

Vatan's Sheet Feed Presses and down-team for all the needs of can making, such as twist caps, EOE, 2P DRD cans, high speed food end manufacturing, and general can components such as bottom-ends, tops, lids, covers etc. Vatan has been continuously developing to supply the increasing needs of can makers. Vatan will offer complete turnkey solutions for the metal packaging industry, such as slitters, welders, canbody making and assembling lines, and end making lines.



SHEET FEED "O/H/PORTAL" FRAME PRESS GENERAL SPECS

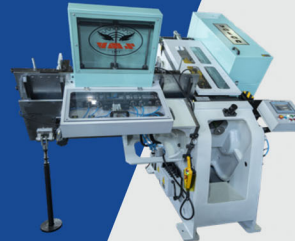
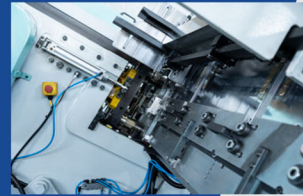
- Force from 15 to 160 tons
- Speed from 100 to 250 SPM depending on stroke length and force
- The most accurate, precise, rigid and robust solid frame and ram/slide
- The press body in very heavy and sturdy design as welded steel frame construction with the accurate modular design and testing of each single part of the frame, performed by means of computer systems, ensures great strength and correct distribution of flexion and torsion stress during operation.
- Thermal stress relieved frame and slide before CNC machining
- Power transmission by one connection rod
- With pre-stresses precision roller guide system for the ram
- Playfree roller ram/slide guidance
- Ram/slide adjustment by means of worm gear

- Direct drive and in-direct drive according to force at required stroke lengths.
- Variable speed drive by frequency converter
- Ram/slide pneumatically counterbalanced with balancing pistons
- Automatic central oil - lubrication system with close circuit,
- Crank angle control by encoder,
- Bronze bushings of crankshaft with thermal control,
- Hydraulic overload safety device-HOLP
- Automatic ram vertical adjustment controlled by encoder,
- Speed adjustment with frequency converter,
- No idle stroke,
- Double sheet detecting,
- Double pressing detecting sensor,
- Die-set/tooling memory.
- The unique proven design of the press no need additional foundation.



FULLY AUTOMATIC STRIP FEED PRESSES

- Solid cast frame and ram; the accurate modular design and testing of each single part of the frame, performed by means of computer systems, ensures great strength and correct distribution of flexion and torsion stress during operation.
- Force from 40 to 120 tons
- Speed from 100 to 350 SPM depending on stroke length and force,
- Feeding fingers which driven by servo motor which synchronized with encoder to the crankshaft of press,
- Direct drive and in-direct drive depending on force at required stroke lengths.
- Bronze bushings of crankshaft
- 6-Point Guiding Ram/Slide
- Balancing Cylinder is operated pneumatically.
- Speed adjustment with frequency converter
- Pneumatic clutch/brake unit
- Safety double solenoid valve
- Automatic Strip Feeder & Down stacker Magazine
- No idle stroke
- Double sheet detecting
- Double pressing detecting sensor.





TRANSFER & TRIMMING PRESSES

PRESSES for caps, DRD cans, general can components

Vatan offers state-of-art technology in design and manufacturing of the mechanical eccentric presses. Vatan presses offers the most effective and highest achievable performance.

The unique proven design of the press no need additional foundation.

Consist of H-frame eccentric press:

- Steel construction frame,
 - High precision slide guides with 8 points,
 - Gap free slide guide,
 - Encoder controlled automatic slide adjustment,
 - Direct drive, (or in-direct drive depending on force)
 - HOLP Hydraulic overload protection,
- Press synchronized with rotary belt in-press.
transfer system driven by servo with motion control. Belt transfer system synchronized with encoder to crankshaft.



Trimming presses,
Cast iron frame,
Single and / or multi-out
trimming tool,
Scrap removal system,
Speed adjustment,
Accurate slide/ram movement
synchronization,
Ideal trimming press for round,
rectangular, oval DRD cans.



EOE CONVERSION PRESSES

Mechanical press with a very rigid "H Type" frame structure.

Vatan offers state-of-art technology in design and manufacturing of the mechanical eccentric presses. Vatan presses offers the most effective and highest achievable performance.

The unique proven design of the press no need additional foundation.

- Steel construction frame
- High precision slide guides with 8 points
- Gap free slide guide
- Encoder controlled automatic slide adjustment
- Direct drive,
- HOLP Hydraulic overload protection
- Quick lift for easy access to tool area



ECCENTRIC PRESSES



C-Frame Presses

C-Frame from 10 to 250 tons

H-Frame Presses

- Rigid steel construction frame
- Cast Slide/Ram
- Customized inclinable frame
- Accurate & precise slide guide design
- HOLP Hydraulic overload protection
- Speed adjustment
- Closed lubrication system



H-Frame from 60 tons to 400 tons, for transfer operations of DRD cans and general can components.



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