

REPKON MACHINE AND TOOL INDUSTRY AND TRADE INC.

REPKON is a machine builder manufacturing for the global market, with a well established reputation for outstanding performance. Recognized worldwide for its proprietary design and manufacturing know how, REPKON has been selling sheet metal forming equipment to producers across the globe since 1978. We are a diligent supplier of custom-made solutions strictly focused on customer requirements. And we have a three decades long track record for challenging conventional methods to come up with ingenious superior results.

REPKON FEATURES

- RHP Hydraulic Power Presses
 - C-type, Four-column-type, Tie-rod-type, H-type and Transfer-presses
 - Special design to meet customer requirements
 - Usable table sizes up to 3.000 mm by 10.000 mm
 - Press-forces up to 60.000 kN with triple action tooling
 - Scrap-processing presses for the automotive industry
- RFM Flow Forming Machines with two, three and multi rollers and two driven main-spindles
 - Specially designed for the production of wheels and high precision parts
 - Usable length up to 14.000 mm, usable diameter up to 1.500 mm
 - Complete with integrated automatic loading and unloading system
- RNM Necking-in and Base Hot Spinning Machines
 - With one roller and induction heating system
 - Specially designed for CNG-Cylinders and High Pressure Gas Bottles
 - Usable length up to 3.000 mm, usable diameter up to 410 mm
 - Complete with integrated automatic loading and unloading system
- General Contracting Projects
 - Complete production lines for wheel production
 - Entire production plants for CNG-Cylinders
 - Complete overhaul and technical upgrade of production lines

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A thoughtful collaboration



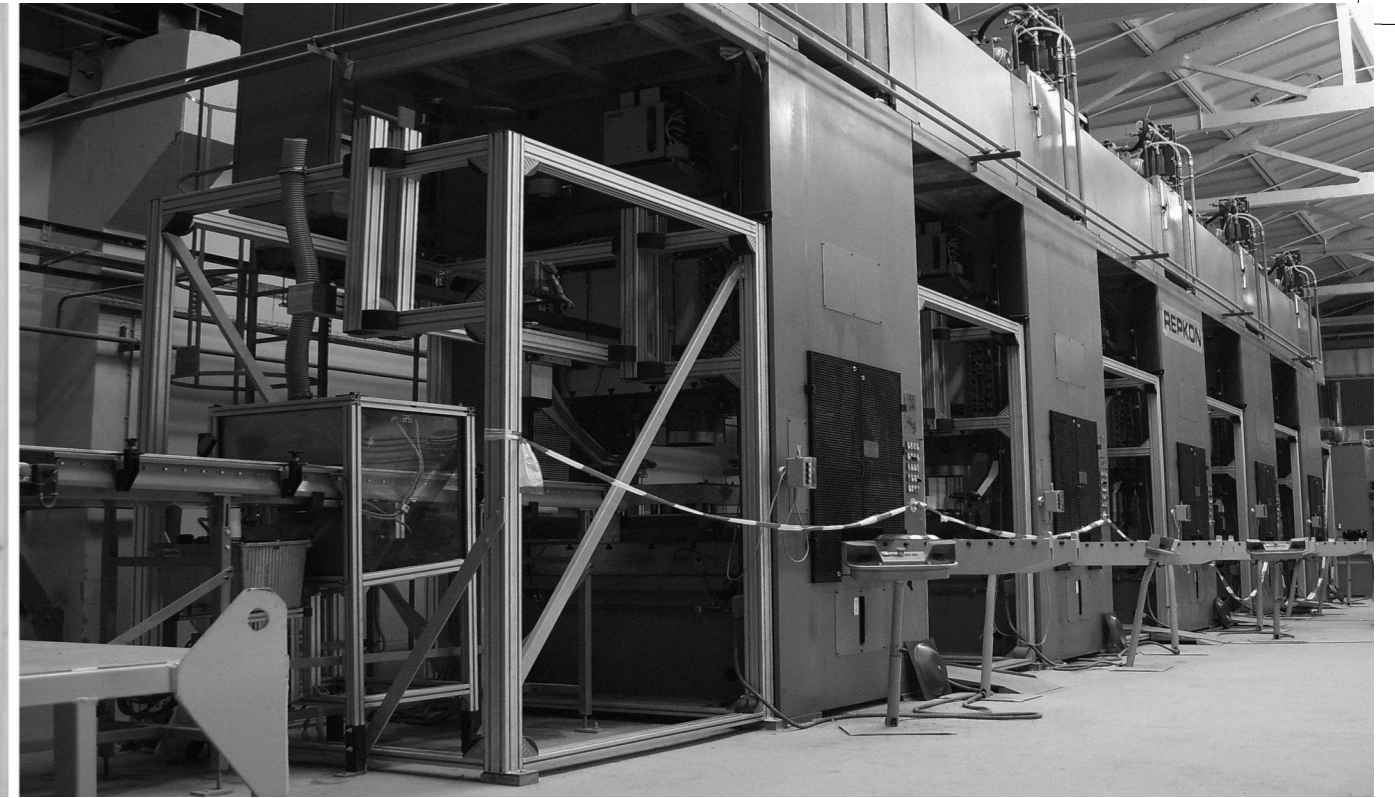
30 YEARS
OF QUALITY

HYDRAULIC PRESSES

From stand-alone production presses
to fully automated press lines

REPKON

..setting flowforming 'free'.



REP KON HYDRAULIC PRESSES

H-FRAME HYDRAULIC PRESSES

- Solid frame type from 250 kN up to 20.000 kN
- "Tie-rod" design from 4.000 kN up to 50.000 kN
- Up to 10.000 mm table size
- Single or multiple ram-ejector or bottom-ejector
- Force-stroke based control for critical deep drawing operations
- Cutting shock absorber systems for full press force

DIE - SPOTTING PRESSES

SHIPYARD PRESSES

C-FRAME HYDRAULIC PRESSES

from 250 kN up to 3.000 kN

- 6-fold more robust ram-guiding resilient against unbalanced forces
- Safety light-curtain saves three openings of the table area by the help of mirrors
- Compact solutions - all equipment installed on frame-like hydraulic power pack and control system
- Modern control solutions with PLC, Siemens-Simotion or PC based control
- Operator panels that can be fitted for easy machine/operator communication
- Electrical system compliant with EN 60204-1
- Online servicing application enables remote access to the control system via modem connection With online servicing; Repkon can access the press for trouble-shooting and program loading purposes

2 or 4-COLUMN HYDRAULIC PRESSES

from 250 kN up to 4.000 kN

- Ergonomic solutions for automated production lines
- Precise ram guiding with 8 bronze bushes
- Hydraulic power packs located on top or at base

OTHER FEATURES

- Quick tool change from simple mechanical solutions up to fully automated systems in a matter of minutes
- The presses comply with all relevant DIN/EN-Norms and contemporary requirements with regard to operating safety and CE conformity
- Safety light-curtains guard dangerous area of the press by Sick
- Ram-locking on a fixed position or continuous-locking system by Sitema
- Frame design refined through FEM analysis
- All welded construction and tables are built from St 52.3 steel and stress-relieved after completion
- Stable gap distance ram guidings guaranteed through robust keyed design
- Cutting and punching tools can be processed with effective cutting shock absorber system
- Cutting or stroke end-position can be adjusted precisely by NC control
- Modern and compact-design, highly efficient hydraulic power packs compliant with prEN 693 safety regulations
- Hydraulic components and manifolds by Bosch Rexroth
- Quick tool change solutions including hydraulic clamps, roll blocks and tool carrier consoles effectively shorten tool fixing time.
- Fully automated tool change system also available
- Only high quality and easily replaceable standard components (mainly by German manufacturers) are used in REP KON hydraulic presses.