

Hydraulic

SIZING PRESSES



rigid - sturdy - reliable

LAUFFER
PRESSEN

RPT AND RPS SERIES

Universal sizing presses up to 2500 kN

Hydraulic LAUFFER sizing presses and systems have proven to be successful under hard operation conditions and have acquired an excellent reputation due to their reliability.

As a standard, our sizing presses are equipped with PLC control (Siemens S7) including upper and lower piston with motorically driven, adjustable mechanical stops for pressing and ejection.



RPS 250: Sizing press with transfer, separator and deposit unit

Important Features:

- Press frame in rigid, sturdy design
 - Precise guiding of upper punch via 8-point gib guided press ram (model RPS) or 4-point column guiding (model RPT) respectively
 - Fast advance speeds
 - Wear-resistant and long-life hydraulic cylinders
 - Optimum conditions for automation by clearance at side and generous space for adaptor installation
 - Less downtime during die change by quick clamp systems, free access to adaptor/die and electronic die program
 - No pit required up to model size RPS 250*
- *depending on design*

Model	RPT	63	100	160	250	RPS	63	100	160	250
Upper piston										
max. pressing force	kN	630	1000	1600	2500	kN	630	1000	1600	2500
max. ram stroke	mm	160	200	320	320	mm	160	200	320	320
Lower piston										
max. ejecting force	kN	250	250	250	320	kN	250	250	250	320
max. stroke	mm	80	80	80	90	mm	80	80	80	90
Clearance at front	mm	670	760	860	1060	mm	650	730	820	1020
Clearance at side	mm	250	280	320	400	mm	250	280	320	400

RA SERIES

High-tonnage sizing presses over 2500 kN

Our high-tonnage presses model RA are in rigid, sturdy straight sided design with 8-point gib guided ram. The machines can be supplied with several axes including motorically driven, adjustable mechanical stops or electronic/hydraulic position and pressure control.



Main Features:

- Press frame in rigid design
- 8-point ram guiding with exchangeable wear rails at press frame and ram
- High advance and pressing speeds
- Maintenance-free hydraulic cylinders with long life-cycles
- Individual customized assembly dimensions
- Prepared for later installation of bevelling stations
- Prepared for later installation of automation units

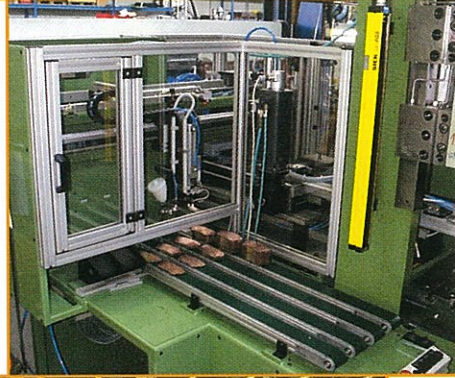
High tonnage sizing presses model RA 400 and RA 630 with common maintenance platform

Model	RA	250	400	500	630	800	1000	1250
Upper piston								
max. pressing force	kN	2500	4000	5000	6300	8000	10000	12500
max. ram stroke	mm	320	400	400	400	450	500	500
lower piston								
max. ejecting force	kN	400	1000	1500	1500	2000	2500	3200
max. stroke	mm	160	200	200	220	250	250	250
Clearance at front*	mm	1020	1170	1170	1170	1350	1350	1350
Clearance at side*	mm	400	500	500	500	500	500	500

* or upon request

AUTOMATION SYSTEMS

LAUFFER concentrates today on complete solutions focussing on customers' needs. With a complete range of powder compacting and sizing presses, as well as automation units, LAUFFER should be your partner in the manufacture of P/M parts.



Tool changing systems, pick & place devices, centering, bevelling and transfer systems as well as measuring and sorting stations are just some examples for automation. However, hydraulic presses remain the most important element in such complete pressing lines. All demands are matched specifically to the task in hand, with all advantages of single source of supply.

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