

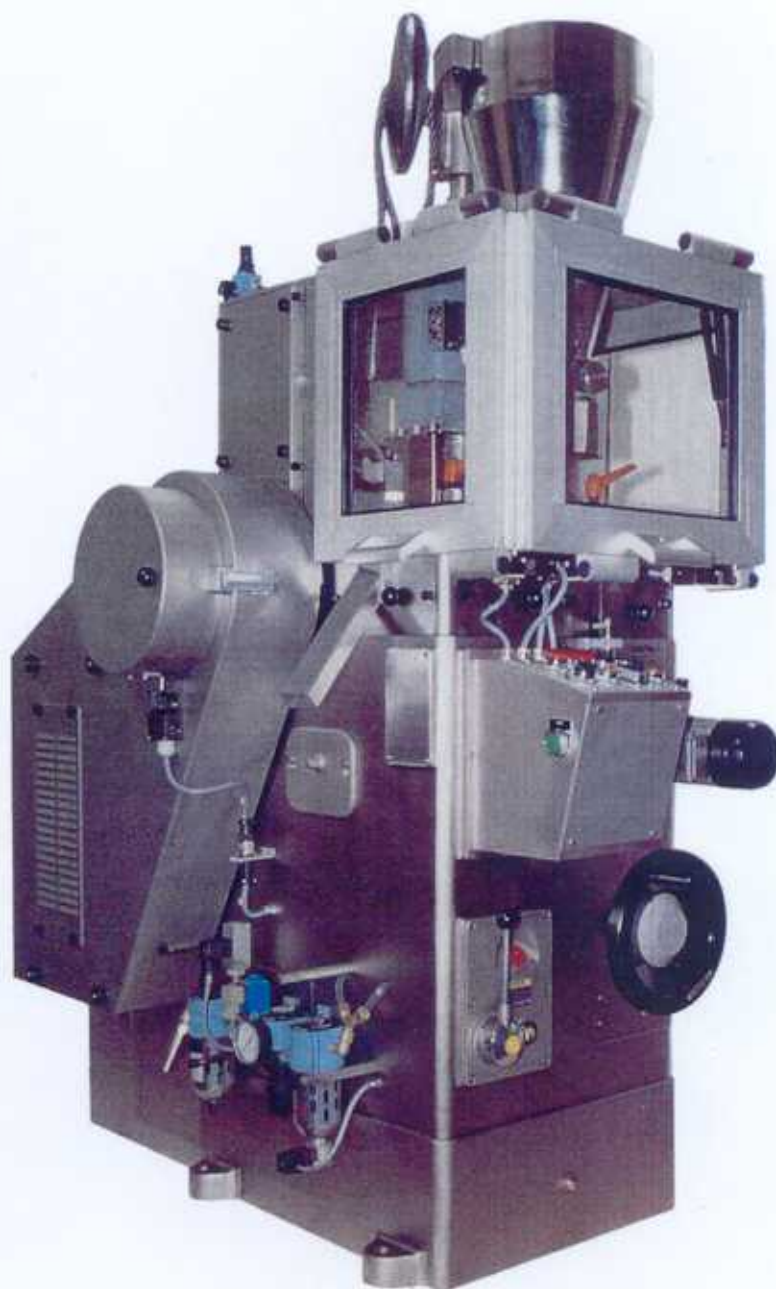
With over 80 years of experience worldwide, GEA Courtoy has developed a unique expertise in designing rotary tablet presses to meet the specific individual needs of customers in a wide variety of industries such as powder metallurgy, ceramics, ferrites and catalysts.

The R1/2 is an all-round mid-range 110 kN press with up to 33 mm fill. The numerous options make it possible to cover the widest variety of technical components, including shouldered parts with vertical holes.

The machine is available for constant density or constant thickness compression. The design uses the latest Courtoy developments for fast change-over, feeder system and tools for complex shapes.

Typical applications include:

- nuclear fuel
- food: candy, stock cubes
- powder metallurgy
- batteries

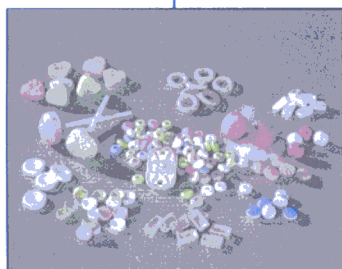
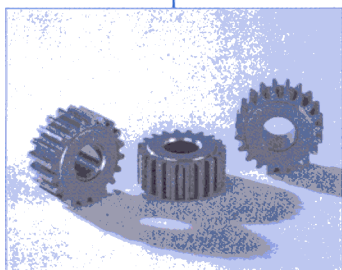
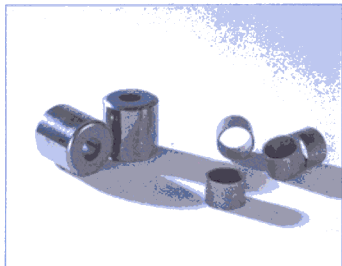


R1/2 SERIES

INDUSTRIAL HIGH-SPEED ROTARY TABLET PRESS

STANDARD FEATURES

- High-resistance cast iron frame
- Play-free drive with frequency inverter, brake & clutch
- Gravity feed of product
- Pneumatic lower compression compensator
- Nickel-coated forged steel turret
- Replaceable hard chromium plated die table
- Punch-holder guides with bushings, protected by easily removable seals
- Isolated compression module
- Dust aspiration nozzles
- Full CE safety
- Tooling overload protection
- Automatic central lubrication and punch-holder lubrication systems
- 380/460 VAC - 50/60 Hz power voltage - 24 VDC control voltage



OPTIONAL FEATURES

- Adjustable upper punch position
- Compression with upper & lower air or multiple compensators
- Single-paddle forced feeder or VIBRA-FLUID feeder
- Wide variety of fill cams up to 33 mm
- Adjustable pre-compression cam with spring-loaded safety
- Adjustable or fixed-height core-rod for vertical holes
- Die wall lubrication with oil or grease
- Tablet hold-up/hold-down systems
- Tablet take-off & transfer systems
- High-pressure head punch-holders
- Simple production control with plc-based OC3
- Fully automated press with plc-based ITS system

MODELS	R1/2-A	R1/2-B	R1/2-C	R1/2-S	R1/2-10
Number of stations	18	16	14	12	10
Maximum compression force [kN]	110	110	110	110	110
Maximum fill [mm]	33	33	33	33	33
Maximum range per set of fill cams [mm]	16	16	16	16	16
Top punch penetration in the die [mm]	8	8	8	8	8
Outside die diameter [mm]	30	35	40	48	56
Punch-holder body diameter [mm]	22	22	25	32	32
Output capacity 12 to 82 rpm [tab/min]	216 to 1475	192 to 1312	168 to 1150	144 to 984	120 to 820
Press height [mm]	1750 to 2200	1750 to 2200	1750 to 2200	1750 to 2200	1750 to 2200
Floor space [mm]	850 x 1600	850 x 1600	850 x 1600	850 x 1600	850 x 1600
Net weight [kg]	1300	1300	1300	1300	1300

R1/2 SERIES

Services Required	
Electric	380VAC/50Hz or 460VAC/60Hz - 3 phases - 12kVA ground connection
Compressed air	Dry & clean
Pressure	Between 6 and 8 bar
Air flow	100 l/m
Dust extraction	Air flow 3300 l/m
Depression	1800 mmH2O
Finish	Painted, with poly-carbonate access panels