



RM 40P

STAMPING-FORMING MACHINE

A compact machine with plenty of possibilities

More power and machining freedom. These are the RM40P strengths. The machine presents users with new manufacturing possibilities – from simple precision components from wire and strip to complete assemblies. High-strength steels can also be machined precisely and efficiently. For this purpose, Bihler has improved the press stiffness which in turn enables the use of high-performance carbide tipped tools.

Furthermore the press is mounted on a separate module. This creates more space on the work plate for additional processes such as forming, welding, threading, screw insertion, etc., and makes tools more easily accessible. Equipped with state-of-the-art control technology the RM 40P guarantees highest machine availability and manufacturing reliability.

The highlights at a glance

- strong, compact machine system for extended area of application in the field of complex precision parts
- more than 1.000 mm of manufacturing space at work plate due to separate press module
- powerful 200 kN two-point eccentric press with large mounting area
- high press rigidity allows the use of high performance carbide tools
- three additional drive positions (work plate/press module)
- high performance clutch and brake system as option
- automatic hydraulic tool clamping system provides accuracy with minimum set-up time
- large central aperture for up to three variable mechanical or NC-controlled central mandrel movements
- new, clearly organized design for secure operation



Technical data

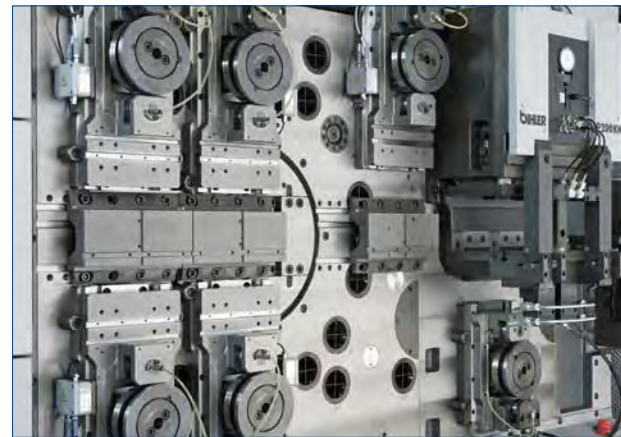
- maximum machine speed: 350 1/min
- material trailing edge: 80 mm in front of machine work plate
- machine weight: 3,900 kg subject to level of equipment (tooling excluded)
- machine dimensions:
width 3,100 mm x depth 2,026 mm x height 2,320 mm

Accessories

- two-point eccentric press: nominal load 200 kN, stroke 12 mm; max. mounting space for die set: 368 mm (length), 202 mm (width), 126 mm (height)
- NC radial gripper feed RZV 2 (standard)
- slide units (max. stroke 50 mm; max. nominal load 60 kN) with rapid tool clamping system
- central mandrel: positive pull or positive push (max. stroke 45 mm; max. nominal load 20 kN); as option: NC-controlled central mandrel (max. stroke 45 mm, nominal force 800 N)
- and many more

Basic equipment

- infinitely variable drive; 12 kW nominal drive output
- pneumatic system
- central oil lubrication system
- four high-precision leveling mounts



Control system

The RM 40P is equipped with the latest version of the user friendly VariControl VC 1 multi-axis controller. The control cabinet is fully integrated into the machine housing.



(subject to alteration 10/09)