

GRM 80E

AUTOMATIC STAMPING AND FORMING MACHINE

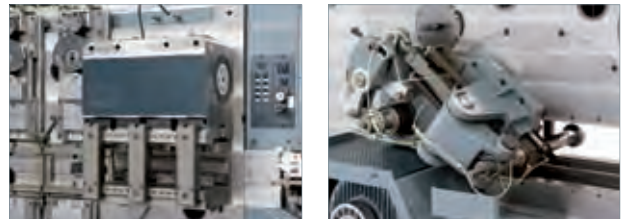
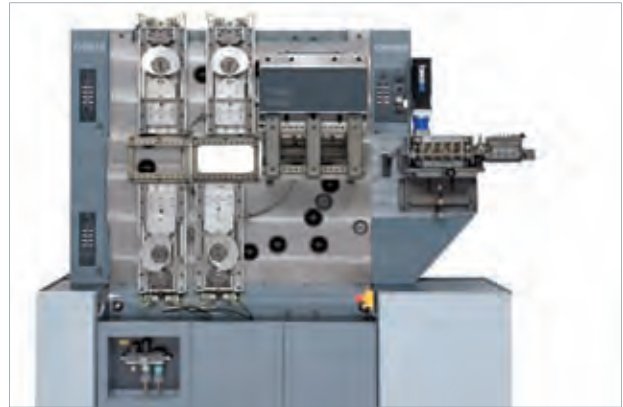
Perfection in complete automation

Give your production an offensive boost. Benefit from the strengths of our best-selling machine. With the compact GRM 80E we offer you a universally deployable, highly flexible machine system for the manufacture of precision wire and strip components. The machine excels through high performance and consistently high production quality. The open machine concept allows a great variety of processing steps to be included. This applies

to stamping, forming, assembly, welding, tapping, bolting, transport and measuring operations, etc. Easy access to all processing stations allows for the shortest possible re-tooling times and makes maintenance work a lot easier. Equipped with state-of-the-art control technology, the GRM 80E meets the highest standards in terms of process reliability.

Further advantages of the GRM 80E

- High-quality machine system for radial and linear processing concepts
- Solid two-point eccentric press with ample space for large cutting tools
- Large center aperture for variable central mandrel movements
- Compatibility of tooling and machine accessories for complete GRM-series (except GRM 100)
- Substantial control and monitoring possibilities
- Basic machine and all processing units can be re-used frequently
- Personnel and noise protection integrated as standard
- Excellent value for money



BIHLER NC

Depending on the application, powerful NC modules can be flexibly integrated into manufacturing concepts on the GRM 80E as e.g. feeding units, tapping units GSE, contact welding units, multiple screw-insertion units MSE.

Specifications

	GRM 80E
Stroke rate (1/min.)	continuously variable from 5 to max. 250
Press	max. 300 kN, stroke 16 mm, die sets up to 540 mm (length) and 203.5 mm (width)
Slide units	max. 90 kN, max. stroke 95 mm
Central mandrel	max. 35 kN, max. stroke 80 mm; (reinforced 60 kN, stroke 130 mm)
Feed pitch	mech. feed max. 500 mm, NC feed: any feed pitch
Material	max. strip width 80 mm, max. wire-Ø 6 mm
Dimensions	width 3.140 mm x depth 1.583 mm x height 2.220 (cabinet)
Weight	approx. 3.000 kg (without tooling)

Simple operation – more process safety

For highest process reliability, the GRM 80E is equipped with the BIHLER VariControl VC1 E. Installed in a stand-alone control cabinet, it provides simple and comfortable operation and programming of the individual input and output modules via an operating panel with 15"-TFT touch screen. The highly-flexible control can be upgraded for multi-axis applications.

