

## **MCS 1 – MCS 05**

### **MULTICENTER SPRINT**

#### **Flexible machine systems for high-speed multiple processing**

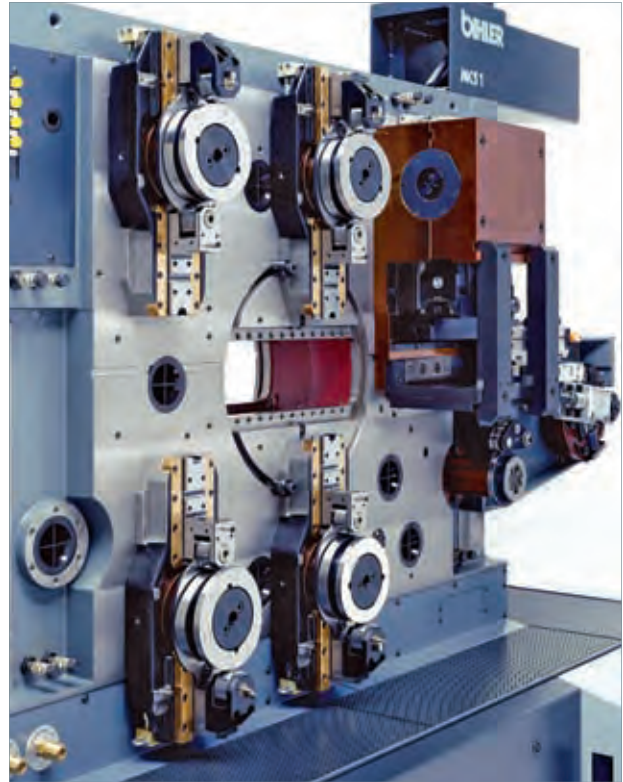
The super-fast Multicenter „Sprint“ series from BIHLER provides both radial and linear forming technology on two processing faces for highly productive manufacturing solutions. The two faces may be used individually or in combination for flexible automation. The MCS series perfectly combines speed with economy and is notable for outstanding quality and high precision in the production

process. With their superior speeds of max. 800 and 500 strokes/min. the two „sprinters“ MCS 1 and MCS 05 are capable of satisfying all demands for high production capacities. The Multicenter „Sprint“ may be used in many different industrial branches – from automotive, electrical industry, fastening technics to jewellery industry – for the efficient manufacture of a wide spectrum of parts.

**BIHLER**

## Further advantages of the Multicenter Sprint

- Maximum economic efficiency through joint radial and linear production of parts and simple sub-assemblies on one same machine
- Universally usable for a variety of branch-specific applications involving forming, welding, tapping, screw insertion, assembling, gauging and many more
- High performance level of all standard modules and flexible system modules
- Positively controlled bending slide units for high stroking and output rates
- Precise longitudinal feed units for feeding material from the right and left both on the front and back face
- Large opening in the centre for transverse transport from face A to face B or vice versa
- High degree of re-utilization of basic machine and all modules
- Expansion of the machine concept and linkage with other production facilities



MCS 1 with positively controlled slide units and press

## Specifications

	<b>MCS 1</b>	<b>MCS 05</b>
Stroke rate (1/min.)	continuously variable from 5 to max. 800	continuously variable from 5 to max. 500
Press	punching force 70 kN, stroke 8 mm	punching force 300 kN, stroke 16 mm
Slides	max. 30 kN, max. stroke 25 mm	max. 50 kN, max. stroke 50 mm
Central mandrel	max. 15 kN, max. stroke 45 mm	max. 20 kN, max. stroke 80 mm
Feed pitch	mech. feed: max. 70 mm, NC feed: any feed pitch	mech. feed: max. 160 mm, NC feed: any feed pitch
Material	max. strip width 45 mm, max. wire-Ø 4 mm	max. strip width 80 mm, max. wire-Ø 6 mm

## Easy handling - more process safety

The MULTICENTER „Sprint“ series is equipped with the BIHLER multi-axis VariControl VC 1. The control system ensures simple handling and operation of the machine via a 15" touch display and a multifunctional keyboard. Help functions as explanations, 3D animations, photos and videos make the VC 1 exceptionally user-friendly.



(subject to change 11/09)