

# COMBITEC CC1

## FORMING CENTER

### More free space for new prospects

For those in need of higher punching forces or aiming for the cost-effective manufacture of longer parts and increasingly voluminous assemblies, the Forming Center CC 1 makes an ideal machine. The powerful eccentric press installed alongside the work plate allows for a multitude of bending, forming and assembly operations across the full width of the plate. To solve complex manufacturing tasks the machine also offers more space for the integration of a great diversity of added-value technologies such as welding, bolting, tapping etc. The two-point eccentric press provides more free space, too. Perfectly tailored to

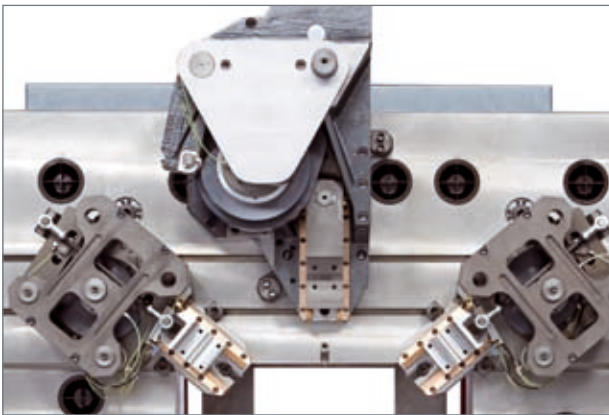
suit the requirements of the manufacturing system it is equipped with an extended press table for noticeably larger cutting tools. To reduce re-tooling times to a minimum, all units are provided with an innovative rapid tool-clamping system. An extremely stiff housing construction helps to improve component accuracy and tool service life. The highly flexible process control VariControl VC1-E allows for easy handling of the cost-effective system and ensures maximum process reliability.

Bihler Forming Center CC 1 – innovative technology for new challenges!

**BIHLER**

## The highlights at one sight

- for radial and linear manufacturing concepts
- integral strong eccentric press arranged beside the work plate
- large installation space for more voluminous dies
- enhanced punching force and stroke
- entire work plate available for working larger-sized parts
- large aperture in face plate to allow for several central mandrels
- rapid tool-clamping system
- NC feed units available for long feed pitches
- high-end control featuring 15" touch screen
- integral sound suppression and personnel protection enclosure as standard



angle-lever unit - max. nominal load 160 kN, max. stroke 140 mm

## Accessories

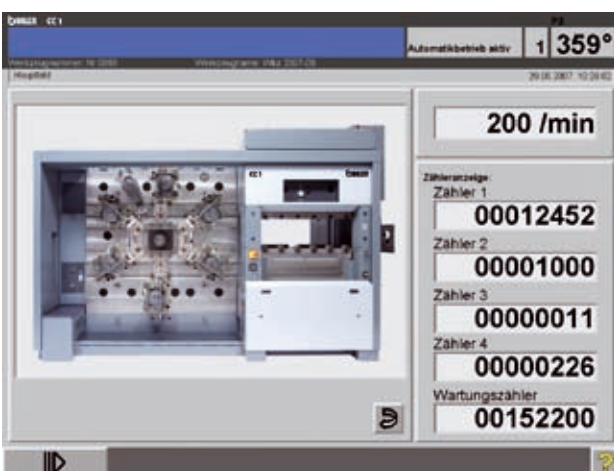
- Infinitely variable drive; nominal drive force 22 kW
- Different types of slide units (e.g. standard slide unit max. stroke 100 mm; max. nominal load 100 kN; bell-crank lever unit max. nominal load 160 kN, max. stroke 140 mm)
- Two-point eccentric press: nominal load 800 kN, stroke 30 mm; press table length 1,000 mm; width 500 mm
- Central mandrel: positive pull or positive push (max. stroke 60 mm; max. nominal load 100 kN)
- Pneumatic system
- Central oil lubrication system
- NC material feed units
- 5 high-precision leveling mounts



rapid tool-clamping system

## Control system

Bihler VC1-E control system with 15" touch-display and intuitive operator programming menu



(subject to change without notice 04/08)

## Technical data

- Maximum machine speed: 200 1/min
- Material center line: 145 mm in front of machine work plate
- Machine weight: 12,000 kg subject to level of equipment (tooling excluded)
- Machine dimensions: width 4,200 x depth 1,600 mm x height 2,645 mm

