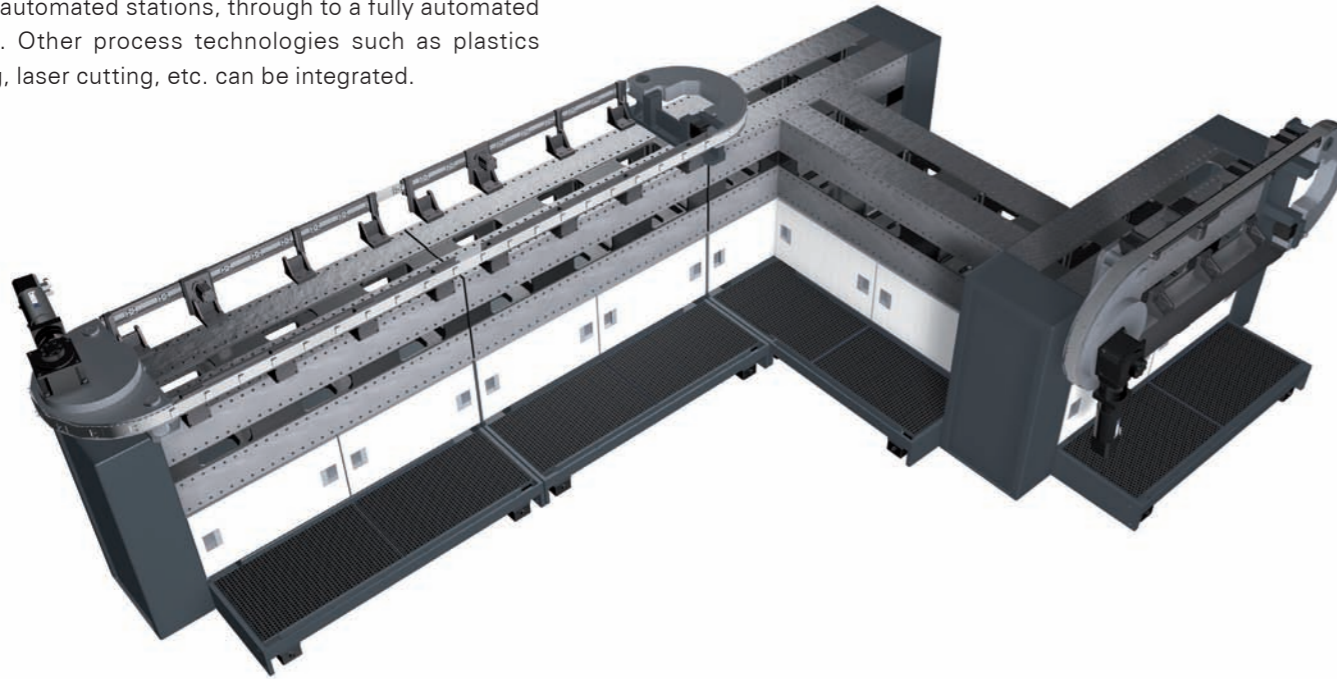


Individually adaptable, progressively extendable

Depending on production requirements and investment volume, the BIMERIC can also be combined with manual or semi-automated stations, through to a fully automated solution. Other process technologies such as plastics spraying, laser cutting, etc. can be integrated.



Technical data BM 1500 / 3000 / 4500:

Speed	max. 250 pulses/min
Increments (between workpiece carriers)	100 mm, 150 mm, 200 mm (standard) (individual operational profiles and increments are possible within this range)
Workpiece changeover times	rapid change
Assembly accuracy	+/- 0,02 mm
Work area	on all 3 working sides of the assembly block
Assembly block	lengths 1,500 mm (3,000 mm, 4,500 mm), width 500 mm, height 500 mm
Top of belt	1,230 mm above the ground
Control system	Bihler process control VariControl VC 1

(You can find more information on the individual NC process modules in the product flyers/brochures.)

MULTI-INGENIOUS

BIMERIC

BM 1500 – NC production and assembly system

(subject to change without notice 10/10)

BM 1500

BIMERIC

MODULAR SYSTEM with high level of standardisation

The innovative, modular NC production and assembly system BIMERIC BM 1500 offers users added flexibility and incredible vertical integration. High-performance, standardised Bihler NC units and process modules can be combined flexibly for all types of tasks. The field of application for the BM 1500 is highly diverse: from classic assembly tasks to complex production applications with stamping and forming operations and further integrated process technologies. Where speed is concerned, the BIMERIC proves its superior performance with a top speed of 250 pulses per minute.

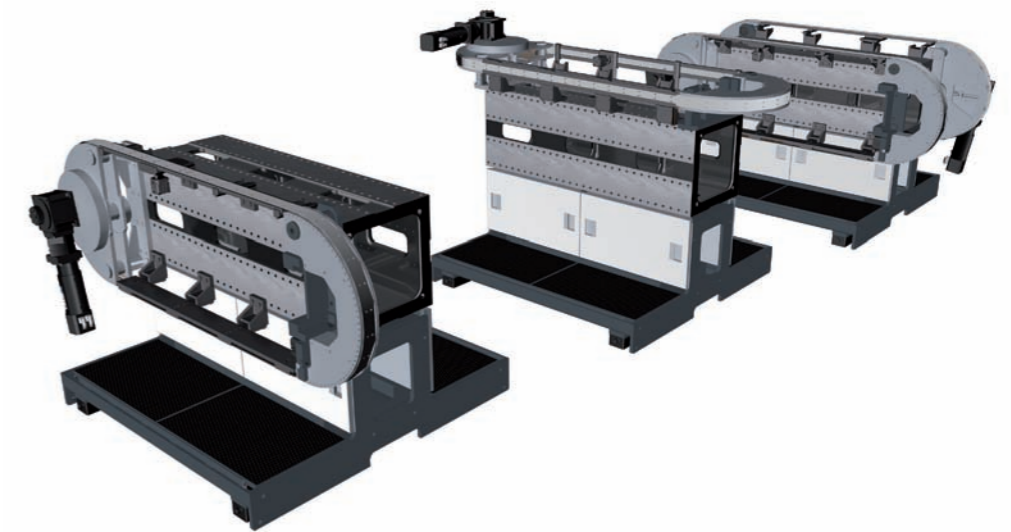
Highlights at a glance

- Highly flexible, high-performance NC production and assembly system
- Modular, compact design with a high degree of standardisation
- Can be adapted individually and expanded progressively for specific tasks
- Easy positioning of the NC units and process modules on three equal sides of the assembly block
- Transport belt with all-round assembly options
- Rapid change system for workpiece carriers
- Exact reproducibility with NC technology
- Individual process integration (plastic injection moulding, laser cutting, etc.)
- Maximum precision, controlled and consistent high quality
- Excellent accessibility for maintenance and servicing due to its open design



Assembly block

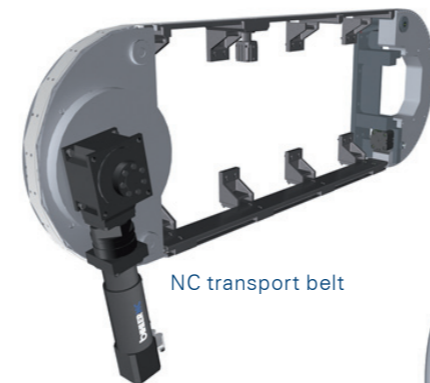
Standardised assembly blocks can be combined in linear, L-, T- or any other form according to project requirements. Pattern drilling on all three working sides of the assembly block allow the NC units and process modules to be positioned easily and accurately. The individual components can be re-used time and again.



NC transport belt

All-round assembly options

The NC transport belt offers excellent assembly accessibility and can be mounted either vertically, horizontally or on both sides of the assembly block according to the specific application. Rapid change systems for workpiece carriers mean extremely short changeover times.



NC transport belt



NC units



Pick & Place unit PPE 2



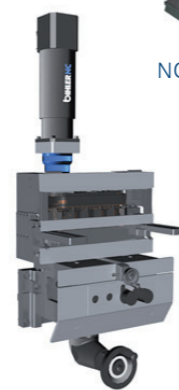
Tapping unit GSE



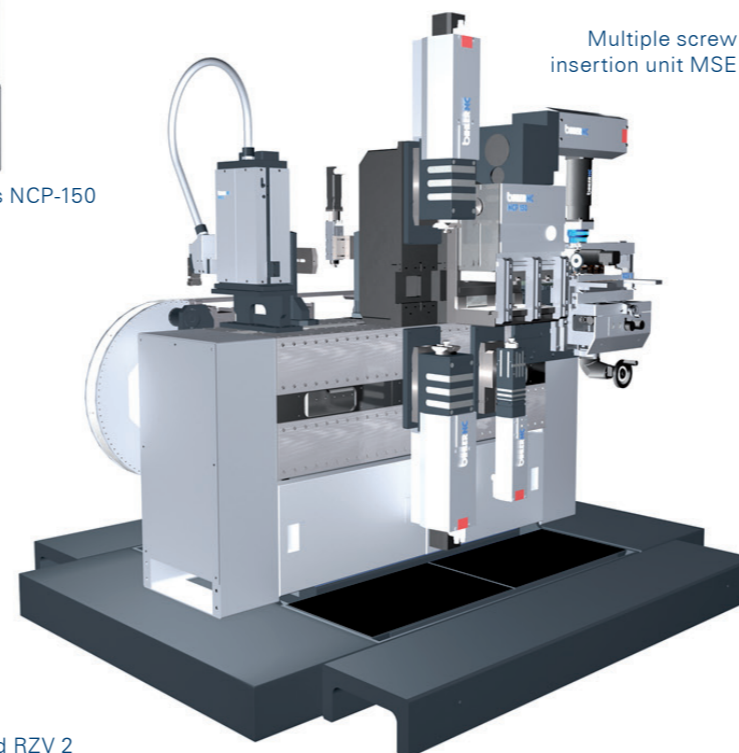
NC press NCP-150



NC welding



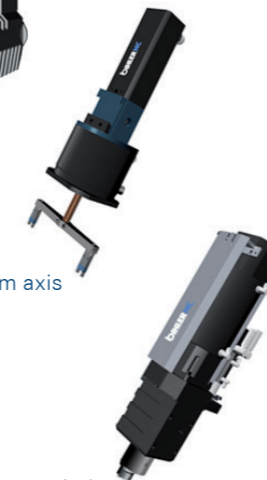
Radial gripper feed RZV 2



Multiple screw insertion unit MSE



NC team axis



NC lathe mandrel



NC robot

NC-Pick & Place Unit PPE 2

Highly dynamic, highly accurate

- Very short cycle times, high speed, maximum repeat accuracy
- Synchronous motion sequence with the controller unit
- Large vertical and horizontal traverse paths
- All positions and speeds freely programmable
- Integrated absolute position measuring systems
- Plug & Play - very short start-up times
- Maintenance-free



One-stop shop

The user-friendly Bihler control system VariControl VC 1 and high-performance Bihler feeder systems are further elements of the new BIMERIC.

Annealing, soldering, riveting, coining, sinking, greasing, controlling, measuring, testing, counting, labeling, palletizing, sorting, ...