

## Range of applications

Assembling and dispensing of prototypes and zero series up to 4000 components per hour. More than 60 components feeders and PALooseComponents for assembling of loose components included in base packet.

## Feeding units

Feeding of components as loose components, tape, stick, tape stripe and tray.

## Component capability

Chips 020I up to fine pitch 80×80 mm and pitch 0.4 mm, BGAs, CSPs,  $\mu$ BGAs, QFNs and custom parts like connectors, THT-LEDs etc.

## Axis drive and control

X-Y Axis

Direct-current motors with contactless linear encoders, resolution 0.5  $\mu$ m.

Z-Axis

Direct-current motors with encoder, resolution 8  $\mu$ m.

R-Achse

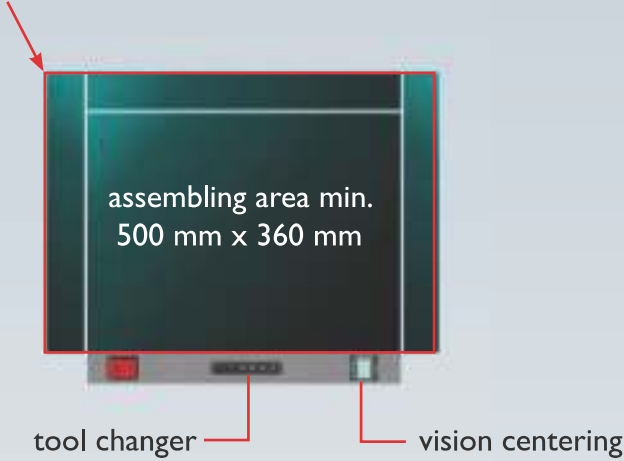
Direct-current motors with encoder 0.005°.

## Economics

Modular system, fast changeover times, user friendly software



Maximum assembling area 650 mm x 510 mm with extension. Included in base packet placePRO.



A pick and place machine used for low volume SMT assembly is assigned to new tasks almost every day. The component range is almost unlimited capacious. The structures are always getting finer and smaller on rising demand of assembly quality. QFPs, BGAs and QFNs are on order of the day, but basic chip- and SO-components as well. Especially for prototypes and zero series expensive equipment is necessary. The **placePRO** is the link between manual picking & placing and with special equipment and flexible pick & place full automatic machines. For the first time it combines the advantages of these different systems.

