

# MMS-X

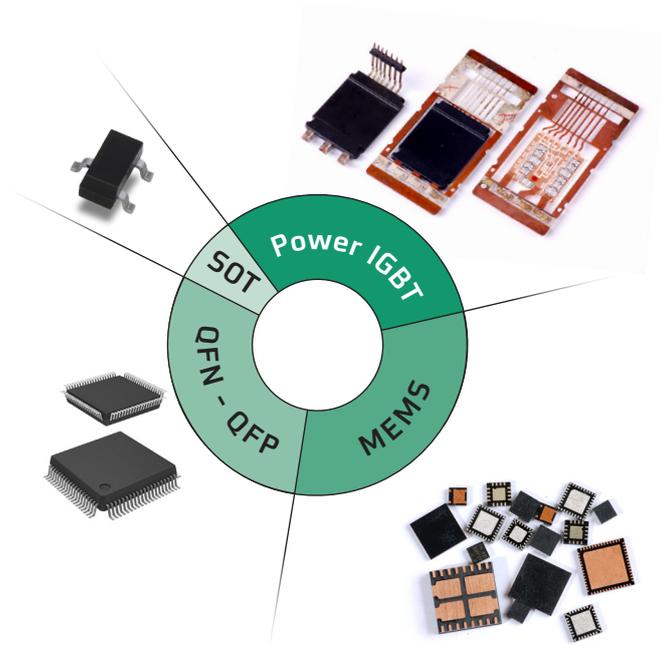


## Leadframe molding reinvented!

The new MMS-X is the manual version of the AMS-X. Like the automatic system, it uses a newly developed plate press. The extremely compact and rigid construction allows you to obtain a perfect and bleed free end product. The press has 4 individually controlled clamp modules that ensure a high and even clamp force all around the product.

The MMS-X is perfectly suited for molding process parameter optimization and small production batches. It is ideal for low cost product development and to determine the process window for your product. Optimized parameters can easily be copied to the AMS-X, automatic molding system, for large scale production. Original Besì molds can be used on both the MMS-X as well as on the AMS-X.

## Future Proof Equipment



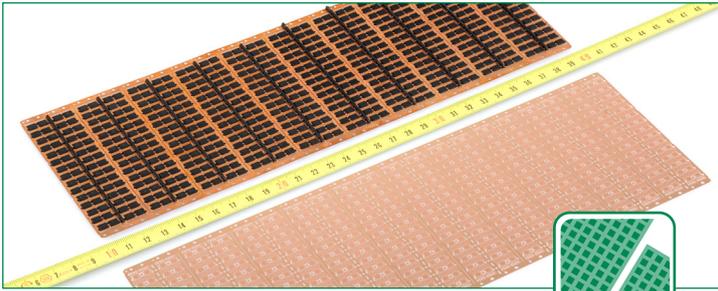
### The MMS-X

- Flash free - patented clamping mechanism
- High quality molding - full process control, dynamic clamping
- Low compound usage - unique runner design
- Suited for High Density and Power products
- For process development and small production batches



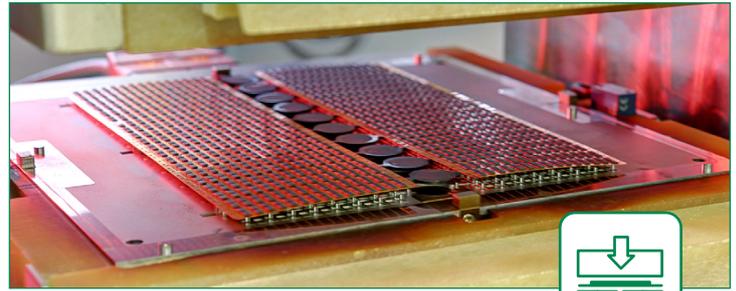


www.besi.com - sales@besi.com



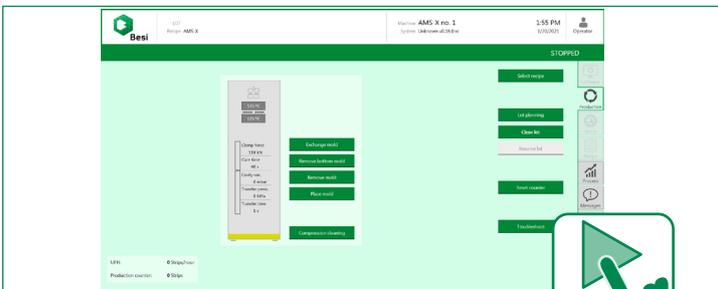
### Leadframe molding

- Leadframe size up to 125 x 300 x 10 mm
- Power - IGBT - MEMS - QFN - QFP - SOT
- Focus on automotive market



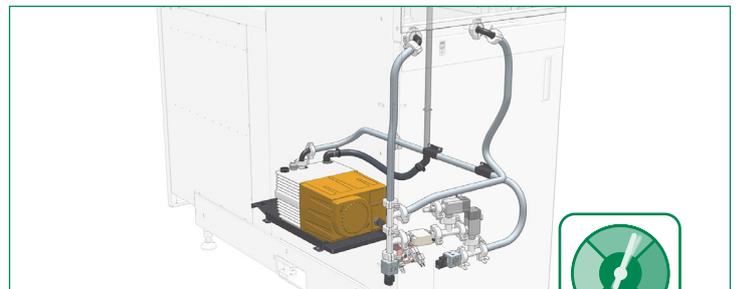
### Compact molding press

- 4 integrated clamp modules - full and even clamping control
- Unique plate press - extremely compact and rigid construction
- Accurate multi zone, dynamic temperature control
- High clamp force for a bleed and flash free end product
- Easy access with large mold opening of 150 mm



### User friendly

- Maintenance friendly
- New UX-design - guided operation
- Intuitive touch screen operation
- Easy and fast mold exchange
- Easy installation



### Cavity vacuum

- Void free end product



### Compatible

- Fully compatible automatic and manual system
- Interchangeable molds
- Process parameter exchange
- Universal parts

### Machine dimensions

- Width: 1,292 mm\*
- Depth: 1,500 mm\*
- Height: 1,850 mm\*
- Weight: approx. 2,600 kg

### Leadframe size

- Max. 125 x 300 x 10 mm

### Press and mold

- Max. clamp force: 180 Ton
- Max. transfer pressure: 150 bar
- Pellet diameter: 14-18 mm
- Max. pellet stack length: 60 mm
- Max. cavity temp diff.: 2°C
- Mold opening: 150 mm

### Supply Requirements

- Voltage: 208-480VAC - 3-
- Frequency: 50 / 60 Hz
- Power consumption: 6 kVA
- Power rating: 15 kVA
- Air pressure 0.45 - 0.9 MPa
- Avg. air cons.: 5 m³/h @ 0.6 MPa
- Factory exhaust: 500 m³/h

\* Base dimensions of the system, without protrusions like exhaust, hand grips and HMI support.