

AMS-X



Leadframe molding reinvented!

Besii has reinvented leadframe molding with its new AMS-X. The increased market demand for power products and higher densities on larger leadframes asked for a new solution. With the new AMS-X Besii has set a new benchmark in leadframe molding.

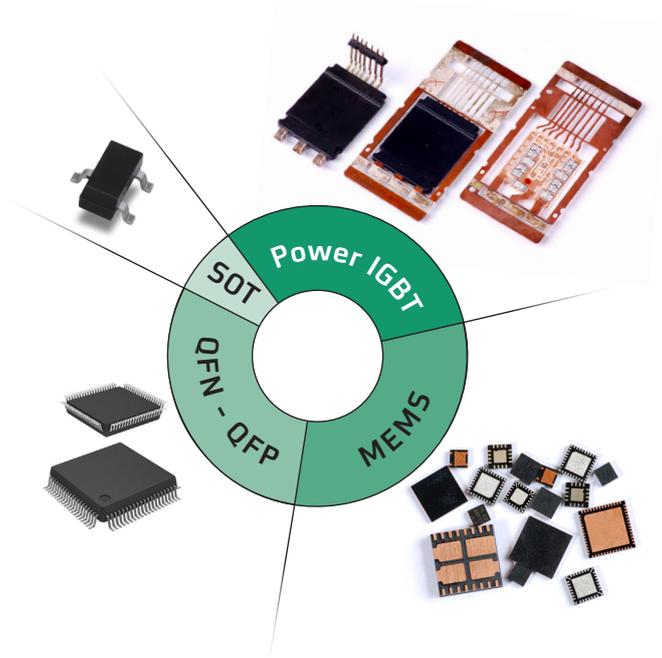
The new AMS-X has newly developed plate presses. An extremely compact and rigid construction. To obtain a bleed free end product, each press has 4 clamp modules that ensure a high and even clamp force all around the product.

And with its new UX-design, the AMS-X is the most user friendly molding system ever.

The AMS-X

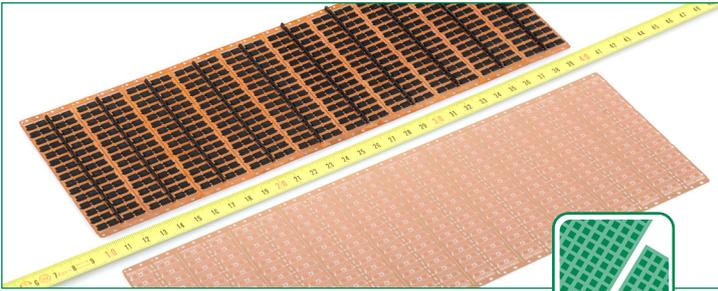
- Up to **30% higher output** than competition
- Low Cost of Ownership - with latest state of the art technology
- **Flash free** - patented clamping mechanism
- **High quality molding** - full process control, dynamic clamping
- **Low compound usage** - unique runner design
- Suited for **High Density** and **Power** products
- **Zero defect** - 100% infeed and outfeed vision inspection possible

Future Proof Equipment





www.besi.com - sales@besi.com



Leadframe molding

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



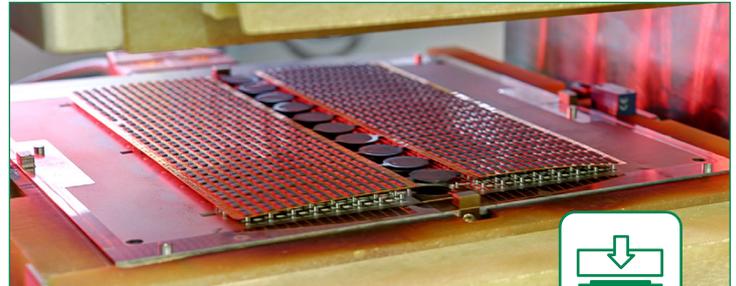
Low Cost of Ownership

- Up to 30% higher higher output than competition
- 15% less compound usage with unique runner design
- Short conversion times



User friendly

- Maintenance friendly
- New UX-design - guided operation
- Intuitive touch screen operation
- Few product related parts - fast machine conversion
- Flexible operation mode



Compact molding press

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



Scalable

- Modular build - configurable
- Integrable Trim & Form modules
- Small footprint
- Low cost of ownership



Leadframe Inspection

- Standard orientation check of incoming products
- 100% infeed product defect inspection (option)
- 100% outfeed Molding Quality Inspection (option)

Machine dimensions

- WxDxH: 5,222 x 1,500 x 1,800 mm*
- Weight: approx. 9,500 kg

Speed

- Up to 240 leadframes/hour

Leadframe size

- Max. 125 x 300 x 10 mm

Noise Level

- Lower than 73 dB(A)

Press and mold

- Max. clamp force: 180 Ton
- Max. transfer pressure: 150 bar
- Pellet diameter: 14, 14.3, 16, 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: 14 kVA
- Power rating: 25 kVA
- Air pressure 0.45 - 0.9 MPa
- Avg. air cons.: 13 m³/h @ 0.6 MPa
- Factory exhaust: 2,000 m³/h

* Base dimensions of the system, without protrusions like exhaust, hand grips, HMI support and provision columns at the back side of the system.