



TRIM FORM AUTOMATION EUROPE B.V

TFA Flex Line

TRIM AND FORM SYSTEM FOR POWER MODULES

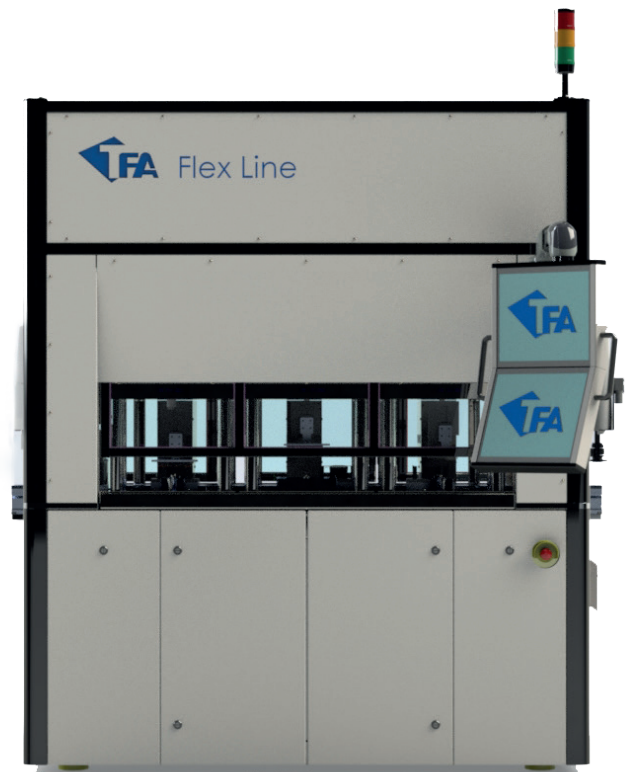
The Flexible solution for Power Module Trim and Form Automation

LOADING AND OFFLOADING OPTIONS

- Magazines
- Trays
- In-line
- AGV's

OPTIONAL ITEMS

- Barcode / DMC reader
- Laser marking
- Product inspection
- MES integration



- High press force and up to 3 force controlled presses
- High productivity up to 1200 Power Modules per hour
- Product change within 15 minutes
- Flexible integration with other process steps

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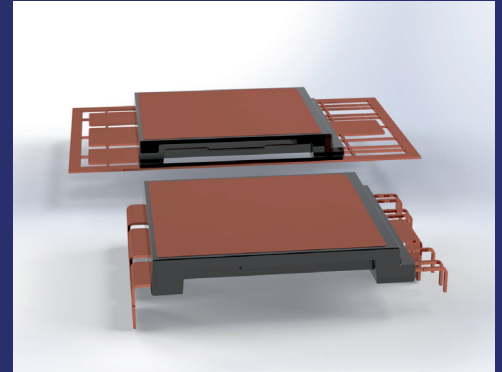
ADDRESSING THE CHALLENGES IN POWER MODULE TRIM AND FORM AUTOMATION

The TFA Flex Line is developed to automate the Trim and Form process for the production of Power Modules. The unique characteristics of Power Modules requires a fully new concept of product handling with a high press force controlled trimming and forming process often combined with additional process steps such as laser marking and product inspection.

With the TFA Flex Line we developed a system with high productivity and easy product conversion with limited product related parts to ensure flexibility and low cost of ownership.

PROTOTYPE SUPPORT

- Package and frame design support
- In-house engineering and manufacturing
- Rapid prototyping for manual production and product qualification
- Sample production
- Quality measurements



TFA FLEX LINE SPECIFICATIONS

Number of presses	Up to 3 force controlled presses
Maximum press force	Selectable per process step up to 100 kN
Productivity (UPH)	Up to 1200 products per hour
Product change time	15 minutes
Loading / offloading options	Magazine, trays, in-line, AGV's
Optional items	Barcode/DMC reader, laser marking, Product inspection, MES integration
Dimensions press unit with 3 presses (LxWxH)	1800 x 1350 x 2310mm
Weight	Approx. 2000KG
Software	Siemens S7 with TFA HMI
Power supply	400V

FOR MORE INFORMATION OR A SYSTEM DEMONSTRATION CONTACT US

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