



## *FlexTrim Router Systems*

Plastics  
Technologies  
in Motion.

## FlexTrim Router Systems – Reduce cost and gain efficiency

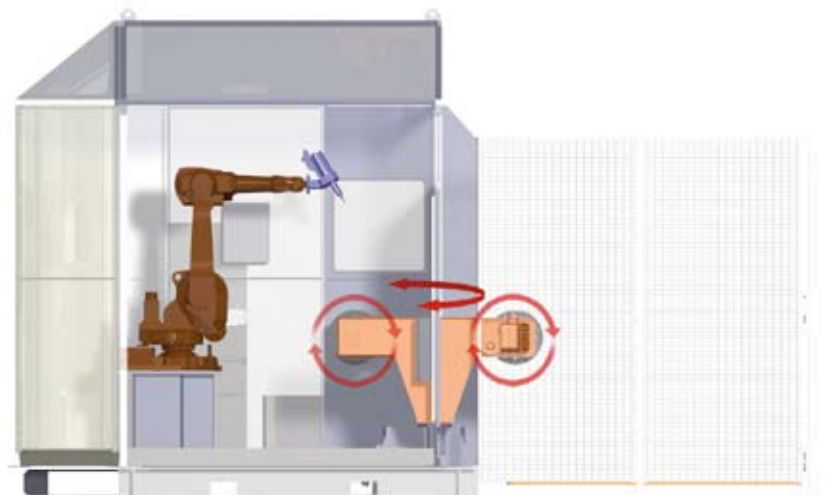
FRIMO *FlexTrim* router systems are low cost, highly flexible, portable and upgradable robotic trimming solutions for the plastics industry. They have been specifically designed to process complex 3D plastic components. Their exceptional flexibility enables you to save cost and gain efficiency. Our newest generation of *FlexTrim* router cells offers an attractive price-performance ratio. The innovative rotary table and product fixture concept ensures excellent ergonomic conditions for the operator and optimal component access for the milling robots. The use of multiple product fixtures per station reduces the number of necessary changes, thereby increasing productivity.



*FlexTrim* router cell with one robot and prototype fixture

### New rotary table and product fixture concept

The innovative design of the rotary table and product fixtures not only enables the rotation of both workstations, but also an additional rotary movement of the product fixtures. As a result, the *FlexTrim* router cell achieves high productivity without fixture changes and offers excellent ergonomics and component access all at the same time.



*FlexTrim* router system – schematic diagram

# Excellent ergonomics – Optimal component access

## Options

- High quality product fixtures with mechanical or vacuum-assisted clamping
- Control display for product positioning on the fixture
- Handling cart for product fixtures
- Automatic tool change station
- Additional sound insulation package
- Automated waste disposal with conveyor belt
- Spare parts and service, part programming and preventive maintenance
- Upgradable from single station to 2 stations and from 1 robot to 2 robots



Router head



FlexTrim router system, exterior view



FlexTrim router system, interior view

## Technical data

Product part size:	approx. 1.5 m x 0.6 m x 0.6 m (W x D x H) e.g. instrument panel
Footprint:	approx. 4,5 m x 4,3 m
Machine height:	approx. 3.0 m
Total weight:	approx. 4.5 t

## Offline programming

An offline programming system can be used to validate the performance level of FlexTrim router systems right from the beginning, in the project planning phase. Offline programming also makes it possible to minimize the start-up time of machines and product fixtures.

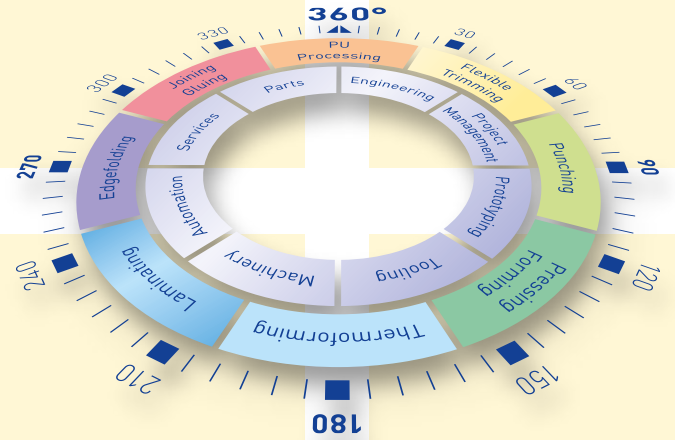


## Benefits

- Market competitive pricing
- Modular design, easily transferable
- High productivity, good ergonomics and optimal component access
- Use of multiple product fixtures per workstation possible
- Use of one or two robots (can be added later)
- High process reliability
- Excellent cut quality through optimally matched machine-fixture combination
- Defined cutting depth, e.g. for substrate/foam weakening
- High flexibility through fast tool and fixture change
- Compatibility with all standard milling spindles
- Easy start-up, operation, maintenance and cleaning
- Modem for remote service support



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