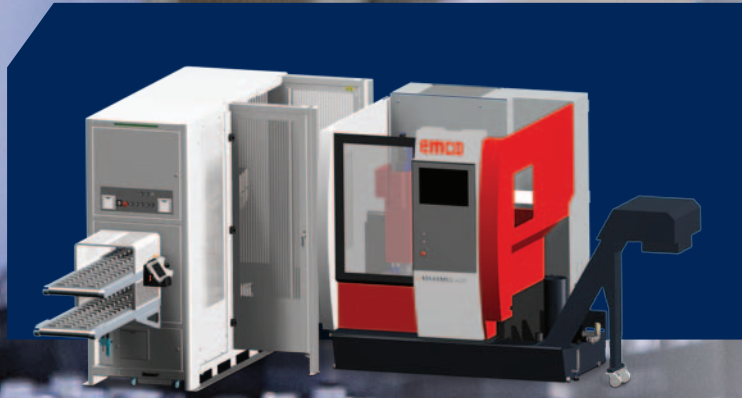


**EMCO**

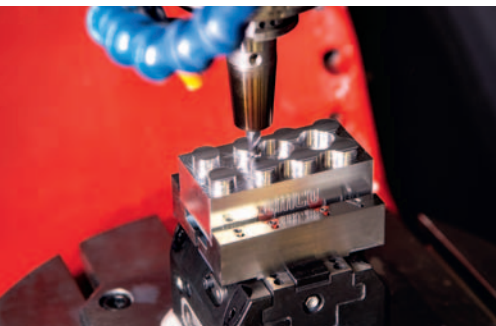
**FLEXLOADER SC 3000**



# EMCO'S FLEXLOADER ENSURES HIGH PRODUCTIVITY AND OPTIMISED PRODUCTION PROCESSES

FlexLoader robot cells by EMCO are standardised and flexible machine tool automation solutions for improved production processes and increased efficiency.

EMCO's innovative machine tools are accompanied by increasing demands on a more intelligent and more flexible type of robot automation. Featuring state-of-the-art technology, all FlexLoader robot cells are standardised and designed to meet the increasing demands on flexible and cost-effective production processes.



Profit milling with Esprit TNG

## 1 ADVANCED AND YET EASY TO OPERATE

The robot is controlled and communicated with via the software, which allows for intuitive programming when it comes to the setup of new workpieces. With this flexible and easy-to-operate system, it is possible to complete the teach-in of a new workpiece in less than 10 minutes.



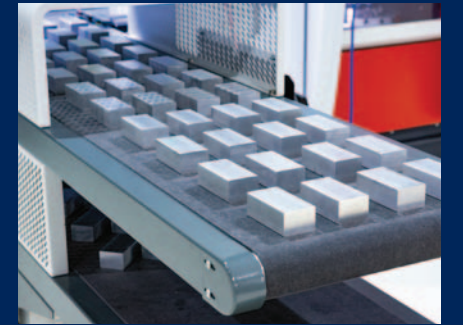
## 2 DEGREE OF UTILISATION / EFFICIENT MACHINE TOOL INVESTMENTS

When opting for robot automation, it is possible to increase the machine utilisation by 60% compared to manual loading. This results in a short payback period for the company.



/ Peter Koren  
EMCO Product Sales Manager Automation

*„This customised EMCO solution is the perfect synergy between robotics and camera technology – smart, flexible and with a quick ROI.“*



## 3 OPTIMAL CAPACITY UTILISATION

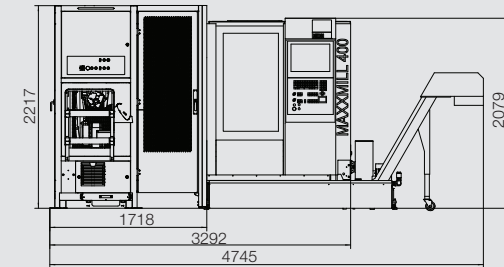
The combination of robot and machine tool results in a capacity utilisation of more than 90% (manual loading: approx. 50%).

# CUSTOMISED SOLUTIONS WITH WELL-ENGINEERED PRODUCTS

- / Standard cells and function packages
- / Optional extras (deburring station, gripper exchange, measuring units and much more)
- / Illustration of the entire process
- / Everything from a single source - one contact
- / Pre-fabricated and proven solutions
- / Developed with a focus on safety, flexibility and standardisation
- / Global service



## MACHINE LAYOUT



## TECHNICAL DATA

Description	IRB 1600-10/1.45	IRB 2600-12/1.65	IRB 2600-12/1.85
Length	3.947 mm	3.947 mm	3.947 mm
Width	1.010 mm	1.010 mm	1.010 mm
Height	2.217 mm	2.217 mm	2.217 mm
Weight	2.610 kg	2.644 kg	2.644 kg
Robot model	IRB 1600	IRB 2600	IRB 2600
Robot payload	10 kg	12 kg	20 kg
Robot reach	1.450 mm	1.650 mm	1.850 mm
In-conveyor width and length	430 x 2.000 mm	430 x 2.000 mm	430 x 2.000 mm
Out-conveyor width and length	430 x 2.500 mm	430 x 2.500 mm	430 x 2.500 mm
Max object/workpiece height	200 mm	200 mm	200 mm
Max belt load	100 kg	100 kg	100 kg
Machine tool interface	Profinet	Profinet	Profinet

## FLOOR PLAN

