

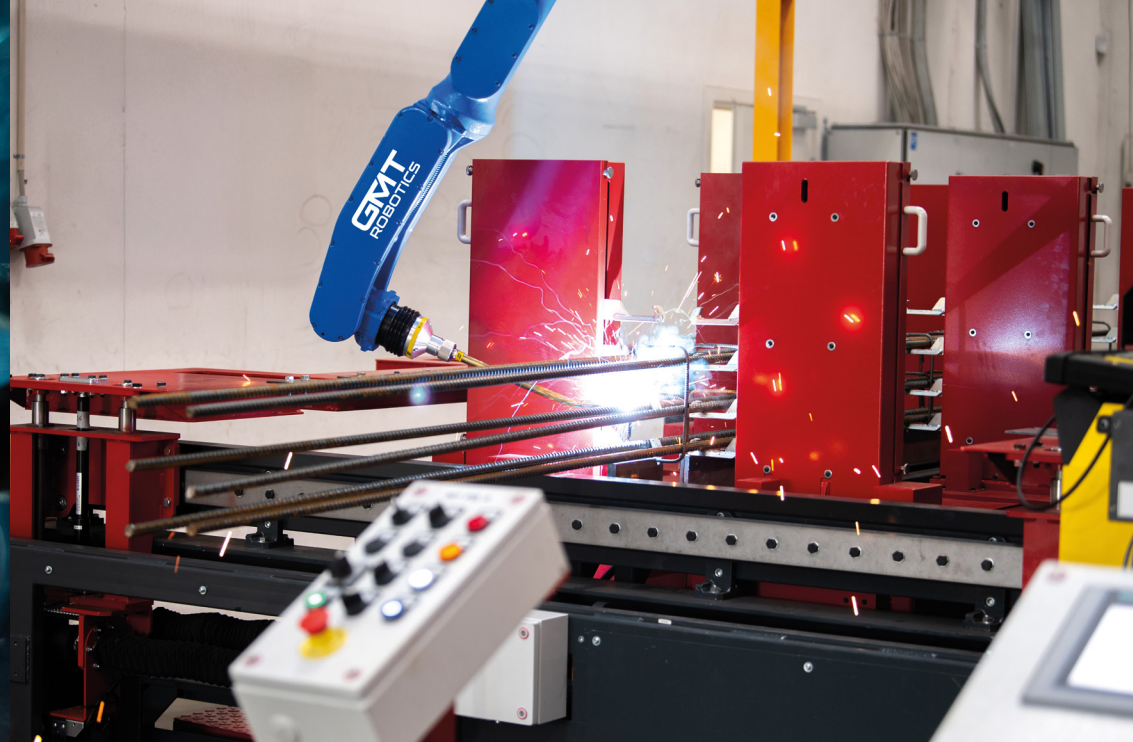
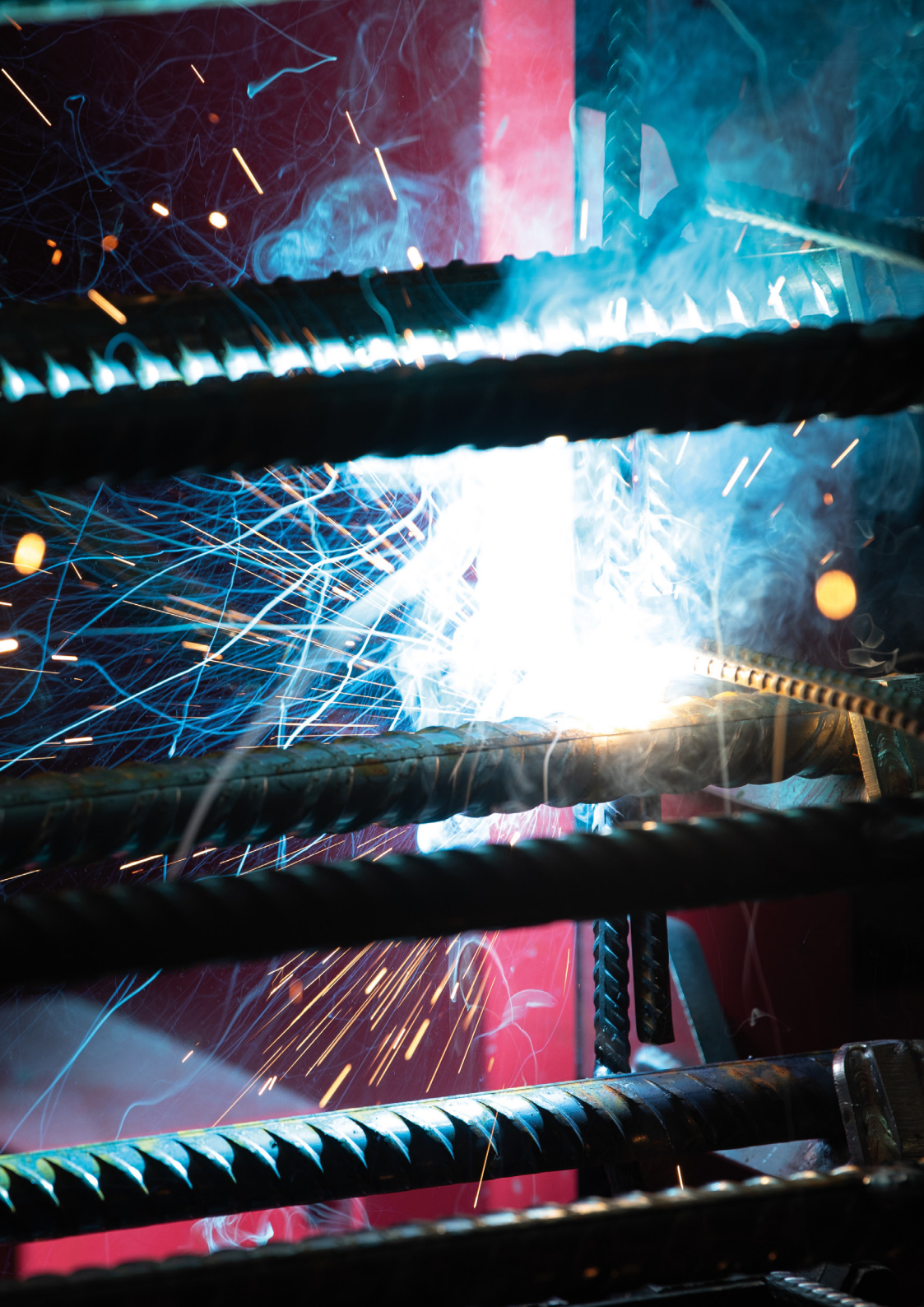
# MICRO ARCAS™

The automatized solution  
for beams and columns  
manufacturing **PATENTED**

**GMT**  
ROBOTICS





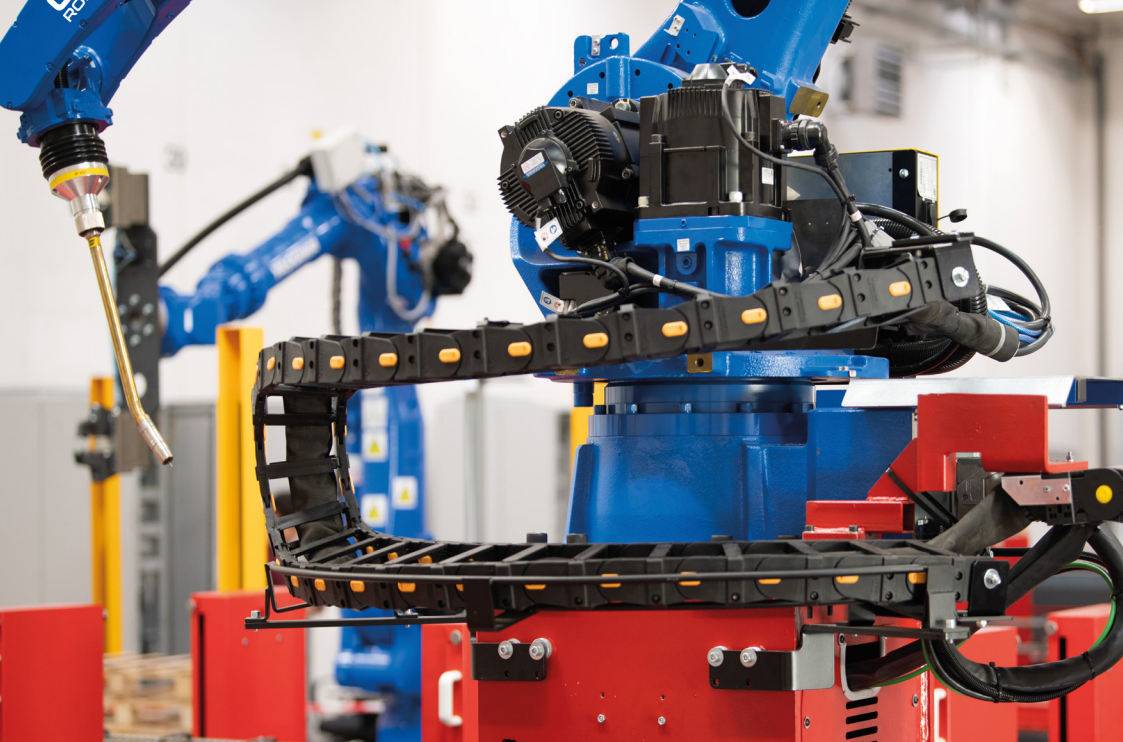


## Keep the production going

With the GMT Robotics MICRO ARCAS, you can triple the productivity of a single operator.

The MICRO ARCAS system enables the robot to handle welding on one side, while the operator loads the next cage on the opposite side.

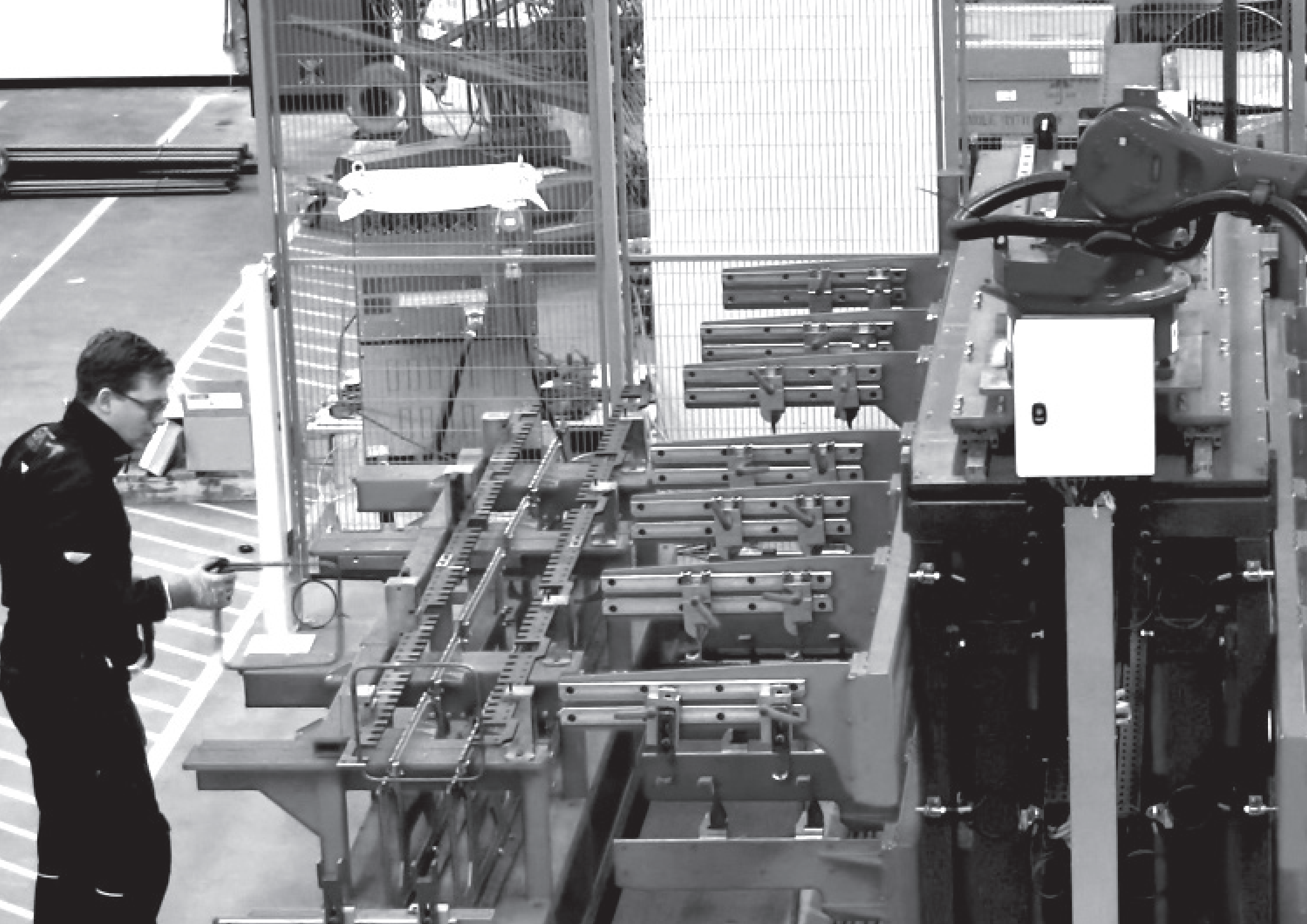




MICRO ARCAS version 2.0 can accommodate cages from 150-450 mm in height, 100-400 mm in width, and up to 4.5 m in length, with a weldable area of 2.5 m.

Additional lengths and dimensions are available upon request.









# Enhanced safety & worker well-being

The ARCAS system is designed with safety at its core, significantly reducing workplace health risks and hazards.

By automating strenuous and hazardous welding tasks, it minimizes workers' exposure to harmful fumes and repetitive strain injuries.

Additionally, the system allows for operation by unskilled personnel in a safe and controlled manner. Loading the system is straightforward and eliminates the risk of hand injuries, such as finger pinching, which commonly occur in manual handling. Traditionally, introducing longitudinal bars required multiple workers, increasing the likelihood of accidents.

With ARCAS, a single operator can efficiently perform this task with no risk of injury, streamlining production while maintaining the highest safety standards.

All our systems are CE approved.

# Effortless operation & intuitive interface

Our user-friendly interface makes welding cages recipe simpler than ever. Operators can easily select the desired cage recipe and quantity on the screen, then press start - ensuring a seamless and efficient workflow.

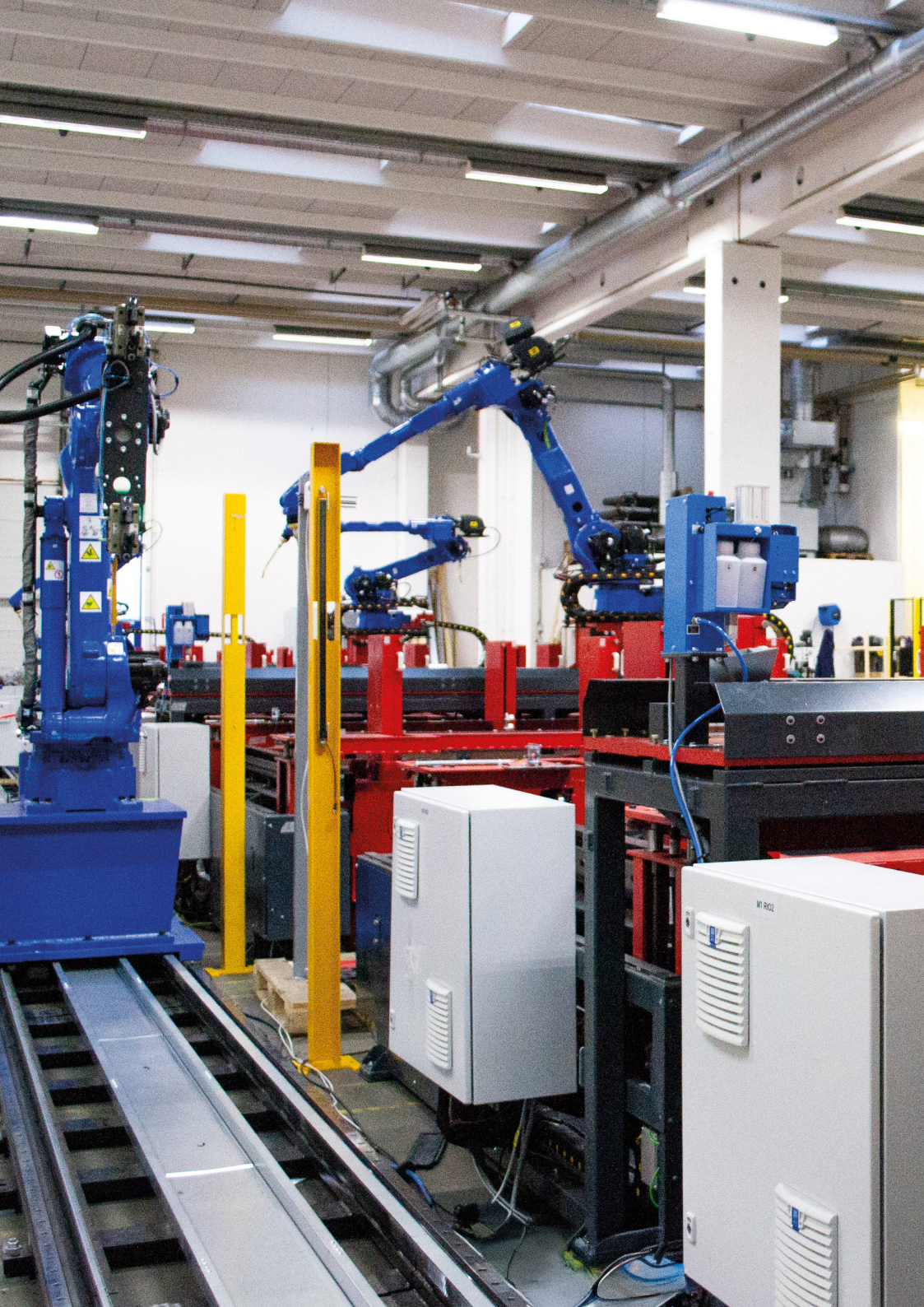
With the MICRO ARCAS, it's even possible to produce two different cages simultaneously, maximizing productivity.

For even greater efficiency, you can opt for our **Planner Software**, which allows you to import data and cage designs directly into the system.

This enables your production planning department to create and manage recipes in advance, streamlining the workflow and eliminating the need for operators to handle programming. Instead, they can focus entirely on loading and executing production orders, enhancing both efficiency and operational ease.

You can easily customize the welding pattern by selecting whether to weld every point, every second point, or every third point. The system intelligently optimizes the sequence to ensure maximum structural integrity, guaranteeing that the cages remain stable and secure for seamless transport.





# Speed

1 ton per hour - finished cages - 1 man operation

## Micro ARCAS – Est. Production speed & Tonnage

Shift lenght (hours)	10
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Number of stirrups	24
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Stirrup diameter (Ø)	12
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Length of stirrup (m)	1,5
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Number of bars	8
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Bar diameter (Ø)	25
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Length of bar (m)	6
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Percentage of points to weld	50%
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Total production time pr. cage*	Sec 720 Min 12
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Number of cages pr. shift	50
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Weight pr. cage	217
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Tonnage pr. shift (tons)	10,84
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# Contact us

To learn how we can transform  
your production



**Thomas Dall-Hansen**  
CSO

Mobile: +45 6171 6380  
Mail: [tdh@gmtrobotics.com](mailto:tdh@gmtrobotics.com)



**Ulrich Deichmann**  
CEO

Mobile: +45 2098 9444  
Mail: [ud@gmtrobotics.com](mailto:ud@gmtrobotics.com)

**GMT**  
ROBOTICS

**GMT Robotics ApS**  
Priorparken 833  
2605 Brøndby  
Denmark

Office: +45 7199 4137  
[contact@gmtrobotics.com](mailto:contact@gmtrobotics.com)  
[www.gmtrobotics.com](http://www.gmtrobotics.com)