



PRESS RELEASE

No. 4/2026 | August 18, 2026

Davi · Via Civinelli · 1150 · 47522 Cesena · Italy

EuroBLECH 2026 Innovation

AI-Vision Expands Davi Autorolling® with Intelligent Laser Measurement Technology

Italian machine manufacturer Davi, one of the innovation leaders in modern plate and angle rolling, has expanded its automated rolling technology with the AI-Vision laser measurement system. AI-Vision is an integral part of the Davi Autorolling® automation concept, which combines the fully electric MCE e-POWER platform, the intelligent iRoll eXtreme control system and the new laser sensor technology into a fully integrated automated rolling process. The AI-Vision laser measurement system will be demonstrated live at EuroBLECH 2026, the International Exhibition for Sheet Metal Working Technology.



Hall 11 / G94

Over recent years, plate and angle rolling technology has seen significant advances in automation and digitalization. With the introduction of AI-Vision, Davi has taken automation one step further. While conventional laser measurement systems measure only individual points, AI-Vision uses a larger measuring field, the so-called **Laser Blade**, which scans a much wider section of the curved plate surface. Designed for highly dynamic operation, the sensor system captures thousands of measurement points per second.

The recorded measurement data are transferred to the **iRoll eXtreme** machine control system. A dedicated AI algorithm processes the raw data and calculates an optimized average value of the plate curvature. The algorithm has been trained to identify and eliminate atypical measurement values. It is based on an extensive database of successful rolling processes, incorporating the expertise gained from more than six decades of plate rolling technology.



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The AI-Vision measurement system is implemented for the first time on the fully electric **MCE e-POWER** plate rolling machine. Combined with **iRoll eXtreme**, the four-roll plate rolling machine integrates all the innovative technologies that Davi brings together under the **Autorolling®** concept.

Users of the **MCE e-POWER** benefit from a wide range of advantages. Continuous radius measurement by the AI-supported laser system, combined with the intelligent machine control, enables automatic corrections and makes autonomous rolling a reality. The economic benefits include reduced material and energy consumption, higher accuracy and significantly less rework. Thanks to the largely autonomous operation, fewer personnel are required, allowing a single operator to supervise several rolling machines simultaneously or work in parallel on a downstream longitudinal seam welding machine.

Visitors to **EuroBLECH 2026** will be able to experience the complete **Autorolling®** process featuring **AI-Vision**, **iRoll eXtreme** and the **MCE e-POWER** live at the Davi booth.

Further information and technical details are available on the Davi product page:

[AI-Vision Laser Measurement System](#)

About Davi:

Headquartered in **Cesena, Italy**, Davi is one of the world's leading manufacturers of **plate and angle rolling machines**. Founded in 1966, the company operates subsidiaries in **Dallas (USA)** and **Shanghai (China)**. Davi machines are capable of processing plates up to **400 mm** thick, sections up to **1,250 mm** high and pipes up to **1,000 mm** in diameter. More than **10,000** Davi machines have been installed worldwide. Comprehensive service, training and technical support accompany customers throughout the entire life cycle of their machines. A global network of more than **100 qualified partners** ensures fast and direct sales and service worldwide.



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Image



Image: AI-Vision laser measurement system

Caption: The AI-Vision laser measurement system scans a wide area of the plate surface during rolling and transmits the captured measurement data to the machine control system.

Image source: Davi Promau