



PRAVDA REPLIKANTA

THE REPLICANT TRUTH
A NEWSPAPER ABOUT PHYSICAL ARTIFICIAL INTELLIGENCE

BREUKELEN (Netherlands)

Forecast · 2026-10-31 · CET

MORNING · 09:00
≈ **6.6°** Fog
Wind: E 2.6 m/s · 0%

MIDDAY · 12:00
☁ **8.1°** Cloudy
Wind: SE 3.2 m/s · 0%

EVENING · 18:00
☁ **8.9°** Cloudy
Wind: E 2.6 m/s · 0%

Daily: 5.8–11.1 °C
Precipitation probability: 0%

All we can do is learn to be human while the rain falls.

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rev. 2 ·

Weather source: Open-Meteo · Retrieved: 2026-10-30 19:37 CET

Pravda Replikanta — Business Edition

Production deployment and how to measure useful robot work.

News

Yaskawa and GAZOO Racing bring adaptive welding into production

Following a programmed welding path is not enough when workpieces vary. On October 28, Yaskawa Electric and Toyota's GAZOO Racing reported that an AI-assisted MOTOMAN NEXT system had entered production in September at a GR KART frame workshop in Gamagori, Japan. The announcement describes a working manufacturing process, not merely a laboratory demonstration.

The robot assesses pipe-frame conditions, performs welding, inspects the result and makes corrections. The companies describe analysis of images, welding sound and other process data. The work builds on an earlier SFA process, short for Sequence Freezing Arc Welding. A previously reported reduction in roll-cage fabrication from two or three weeks to three days concerns that earlier process; it is not a measured improvement from the new robot installation.

For a purchaser, the missing figures are manual rework, defect rates, cycle-time variation, maintenance cost and safety performance. The manufacturers claim productivity and cost benefits without independent financial validation. The important advance is the integration of inspection and correction into a production operation.

Sources

AI-enabled robotic welding introduced at GR KART workshop · 2026-10-28

AGIBOT wants to measure useful robot work, not just fleet size

A robot buyer needs useful output, not an impressive shipment count. At its October 29 event in Shanghai, AGIBOT introduced Worken, a proposed concept combining the words 'work' and 'token'. It aims to measure productive autonomous robot activity. The proposal has not become an independently established industry standard.

The company also announced AHA3 hardware, the GO-3 Preview embodied model, WITA-Omni for interaction and the G2 Max industrial robot. For G2 Max it claims 21 degrees of freedom, up to 40 kilograms of combined dual-arm handling capacity and an adjustable working height from 0.1 to 2.5 metres. These are vendor specifications, not independently measured throughput.

A deployment decision should consider completed cycles, uptime, operator interventions, quality, safety and total cost. An hour of box transport is not directly equivalent to an hour of precision assembly. Until AGIBOT publishes a transparent method for comparing different tasks, Worken is best treated as a useful question for procurement rather than a finished productivity standard.

Sources

AGIBOT Introduces Worken to Measure Productive Robot Work at AGIBOT Innovation Day 2026 · 2026-10-29

Analysis

Yaskawa and GAZOO Racing bring adaptive welding into production

On October 28 Yaskawa reported that a MOTOMAN NEXT system began operating in September at a GR KART frame workshop, combining welding, inspection and correction.

Independent quality, cost and output metrics remain essential.

Sources

AI-enabled robotic welding introduced at GR KART workshop · 2026-10-28
AGIBOT Introduces Worken to Measure Productive Robot Work at AGIBOT Innovation Day 2026 · 2026-10-29

Issue glossary

Key terms in this issue.

- 01

Adaptive welding
Welding that responds to workpiece conditions.
- 02

Quality inspection
Checking an output against requirements.
- 03

Autonomous work
Work without continuous operator commands.
- 04

Payload
Mass a mechanism can carry.
- 05

Degree of freedom
An independent coordinate of motion.

Sources

AI-enabled robotic welding introduced at GR KART workshop · 2026-10-28
AGIBOT Introduces Worken to Measure Productive Robot Work at AGIBOT Innovation Day 2026 · 2026-10-29