



The future is here,

TM AI COBOT

Native AI engine + Robotic arm + Vision system

All in **ONE**



"Recognized Globally: Winner of Taiwan Excellence, Red Dot Design, iF Product Design, Golden Pin Design, and COMPUTEX D&I Gold Awards."

TM AI Cobot (Regular Series)



TM5-700

• Payload: 6 kg
• Reach: 746 mm

TM5-900

• Payload: 4 kg
• Reach: 946 mm

TM12

• Payload: 12 kg
• Reach: 1300 mm

TM14

• Payload: 14 kg
• Reach: 1100 mm

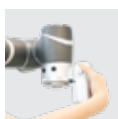
TM16

• Payload: 16 kg
• Reach: 917 mm

TM20

• Payload: 20 kg
• Reach: 1300 mm

Easy to Use



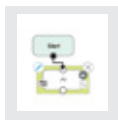
Hand Guide:

The **Hand Guide** mode simplifies the process of setting points and tasks for the robot. By utilizing buttons on the cobot arm, users can easily guide it into position, allowing the software to automatically record the coordinates.



Integrated Vision System:

Our **Integrated Vision System** simplifies pick-and-place tasks through hand guidance and landmark positioning, enhancing object localization for quick redeployment in high-mix, low-volume production without recalibration.



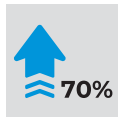
Graphical interface:

TMflow simplifies cobot interaction with its **graphical interface**, offering versatile operation modes and ready-to-use functions like Vision Control and Force Control for seamless application development.



Boosted Efficiency:

Achieve **25% faster** cycle times with enhanced motor speed. The 6th axis now operates at 450°/s, doubling its previous speed of 225°/s.



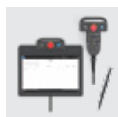
Achieve Precision:

Experience up to a **70%** improvement in repeatability, now at 0.03 mm for TM5S/TM7S/TM12S/TM14S models



Safety Features:

Benefit from up to **31 certified safety functions**, meeting TÜV and SGS certifications for ISO 13849-1, ISO 10218-1, UL, CSA, and CE standards. Our system ensures easy safety assessments and flexible safety functions, reducing safety control configuration costs, with TÜV certification up to PL=d, Cat.3.



Introducing the new Robot Stick:

Enhanced safety with a 3-position Enabling Switch and RESET button. Seamlessly integrates with **TM Screen** for intuitive teaching and control.

TM AI Cobot (S Series)



TM5S

- Payload: 5 kg
- Reach: 946 mm

TM7S

- Payload: 7 kg
- Reach: 758 mm

TM12S

- Payload: 12 kg
- Reach: 1300 mm

TM14S

- Payload: 14 kg
- Reach: 1100 mm

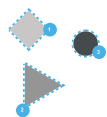
TM25S

- Payload: 25 kg
- Reach: 1902 mm

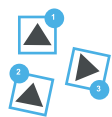
TM30S

- Payload: 30 kg
- Reach: 1702 mm

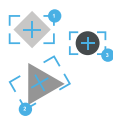
Built-In Vision System



Counting Shape



Counting Blobs



Counting Images



Object Classification



Anomaly detection



AI Inspection



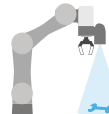
1D Bar-code / QR Code



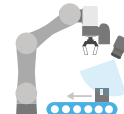
OCR



Angle



Object based Orientation



Conveyor tracking



Multi Camera Support

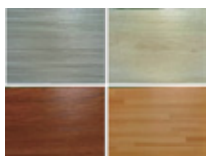
AI Vision Features

Assembly Inspection



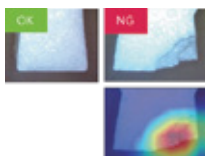
Checking if the tires are wrapped with PE film

Classification



Sorting different materials of wood

Defect Inspection



Identifying objects with damage on the edges

Counting / Detection



Counting the amount of the object in the tray

Scratches / Cut / Dent Inspection



Checking the dents on metal parts

AI OCR



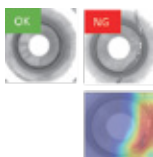
Label text reading



Checking if all wires are connected correctly



Recognition of pizza flavor and crust



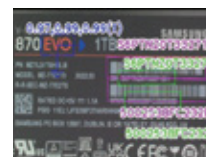
Checking if there are metal scrap on the surface



Objects detection and 3D positioning



Checking scratches on DRAM gold fingers



Label text reading



Industrial Segments



3D Bin Picking



AGV



Pick & Place



Assembly



Packaging



Palletizing



Conveyor Tracking



Machine Tending



Quality Inspection



PCB Handling



Polishing & De-burring



Glue Dispensing



Injection Molding



Screw Driving



Welding

Industrial Applications

Electronics



Food / Pharma



CNC



Warehousing / FMCG



Machinery



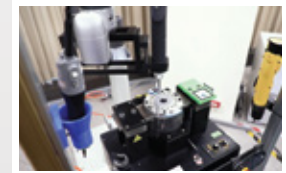
Semiconductor



Automotive



& Much more



▶ Case Studies



▶ Factory Applications



▶ Demonstrations

Marketed by:

JANATICS GLOBAL SOLUTIONS PRIVATE LIMITED

Rathinam Circle View, 4th Floor, B4 & C4, Race Course Road, Coimbatore - 641018, Tamil Nadu, INDIA
P: +91 422 2678500 | E: globaloffice@janatics.co.in

Marketing offices: Ahmedabad | Bengaluru | Bhiwadi | Chandigarh | Chennai | Coimbatore | Hosur
Hubballi | Hyderabad | Indore | Jaipur | Kolhapur | Kolkata | Ludhiana | Mumbai | Mysuru
Nagpur | Nashik | Noida | Pune | Rudrapur | Sonipat | Tiruppur