



TM4SC

Thai **M**anufacturing **4.0** **S**olution **C**luster Co., Ltd.

Thai Manufacturing 4.0 Solution Cluster
One Stop Service Solution Center

Thai **Manufacturing **4.0** **S**olution **C**luster**



Company Profile

Thai Manufacturing 4.0 Solution Cluster Co., Ltd. was founded in 2018 with registered capital 5MB. Grow stronger TM4SC by building capabilities and accessing bigger opportunities in domestic and global markets with solution of automation & robotics. As a manufacturing provider, we support and assist our clients for productivity enhancement for better performance and profitability.



**Thai Manufacturing 4.0 Solution Cluster
One Stop Service Solution Center**

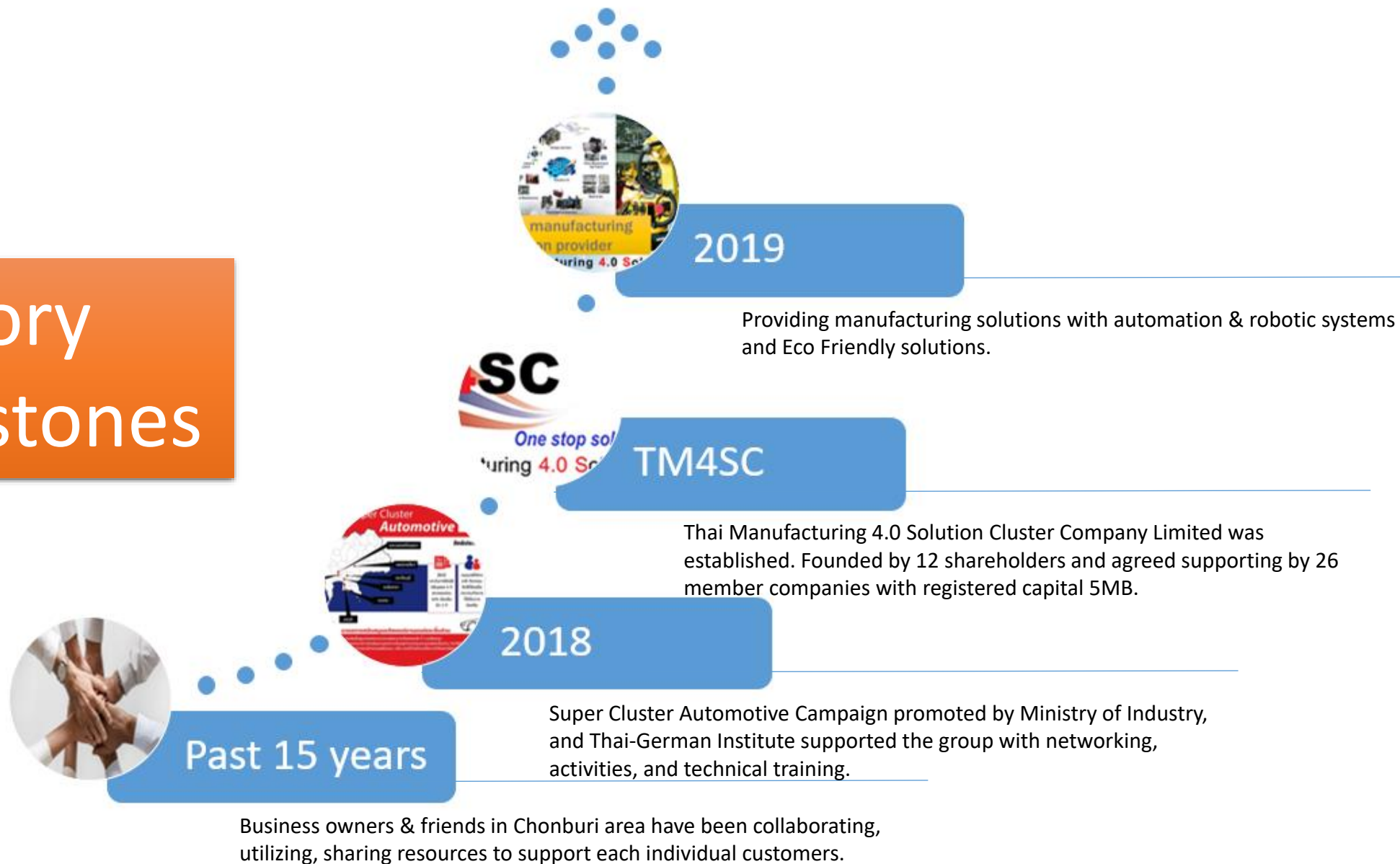
www.tm4sc.com

THAI MANUFACTURING 4.0 SOLUTION CLUSTER

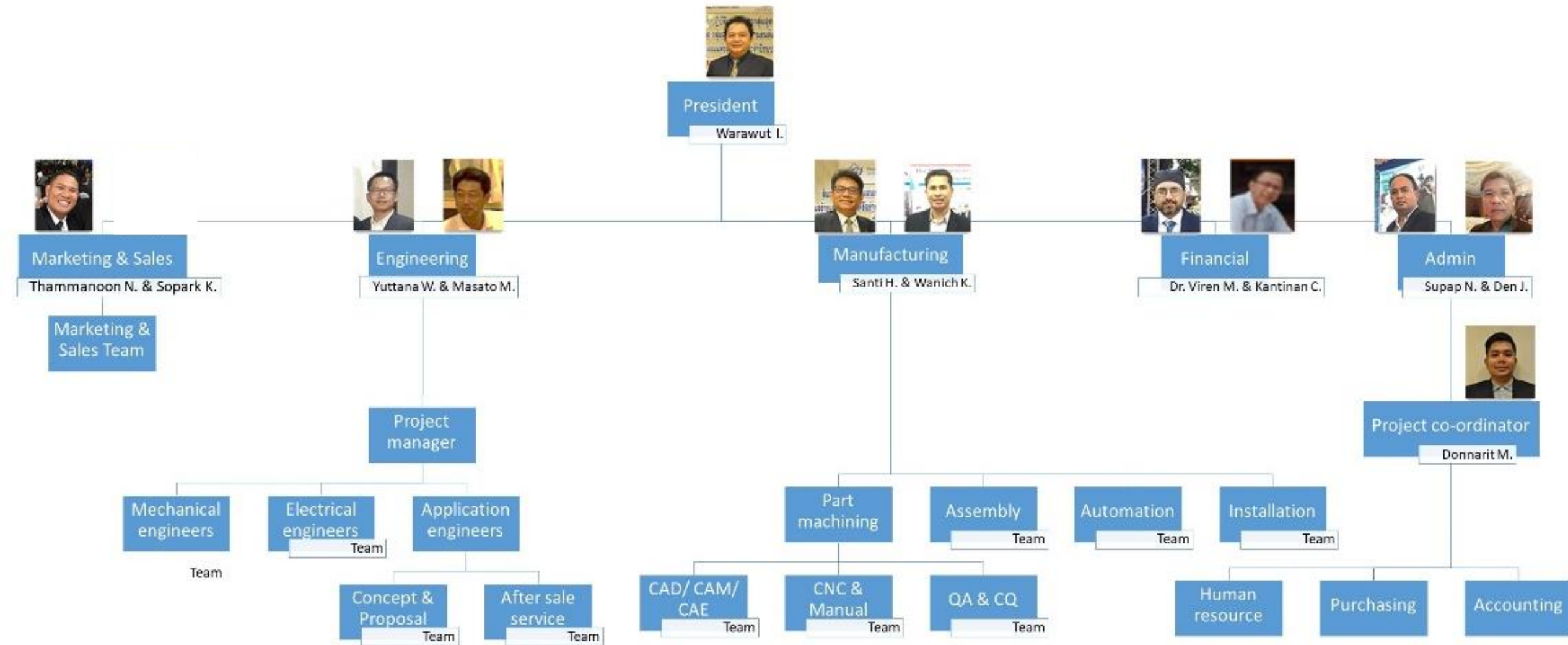
Location



History of Milestones

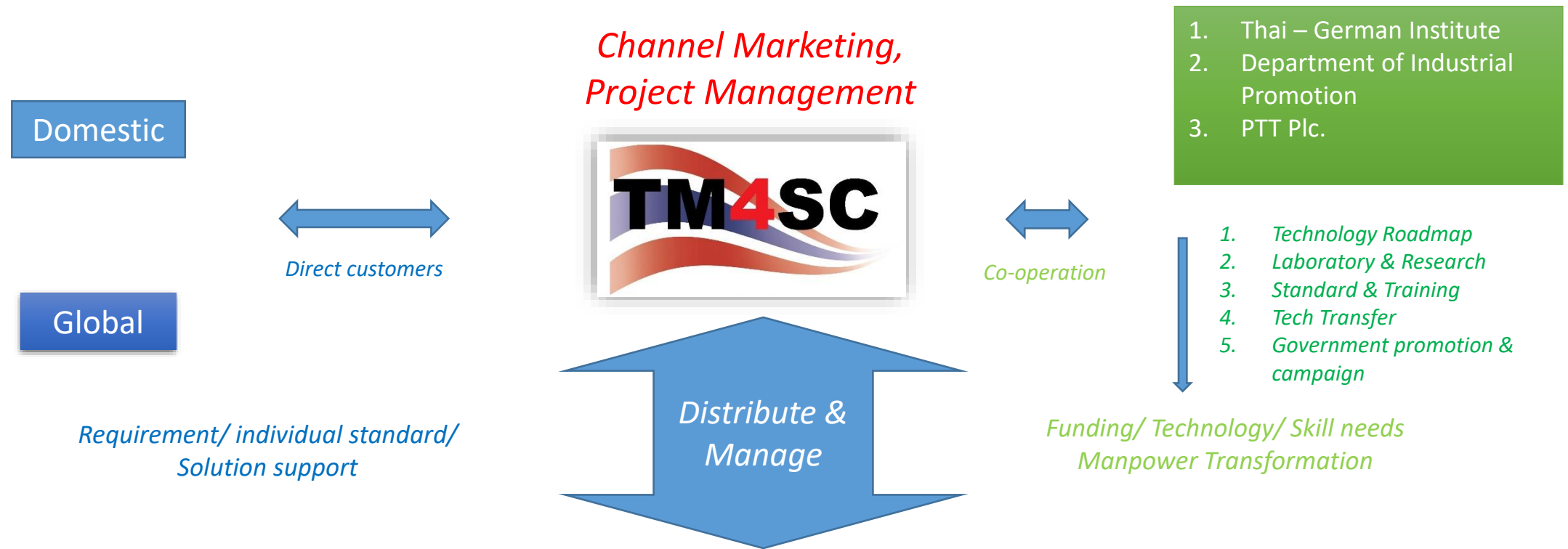


Organization Chart





Business Collaboration



12 Engineering Companies

Design services

Parts Machining & Jig Fixture

Mold & Die

Automation & Robotics

Structure & Maintenance

Software solution & Management

THAI MANUFACTURING 4.0 SOLUTION CLUSTER

PRODUCT & SERVICE



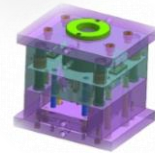
Conceptual Design & Consulting 3D&2D CAD/CAM



Precision Parts (Lathe, Milling, & Grinding)



Prototype, 3D Lab



Stamping, Mold & Die, Laser welding



Jig Fixture , Checking Fixture, Welding Jig



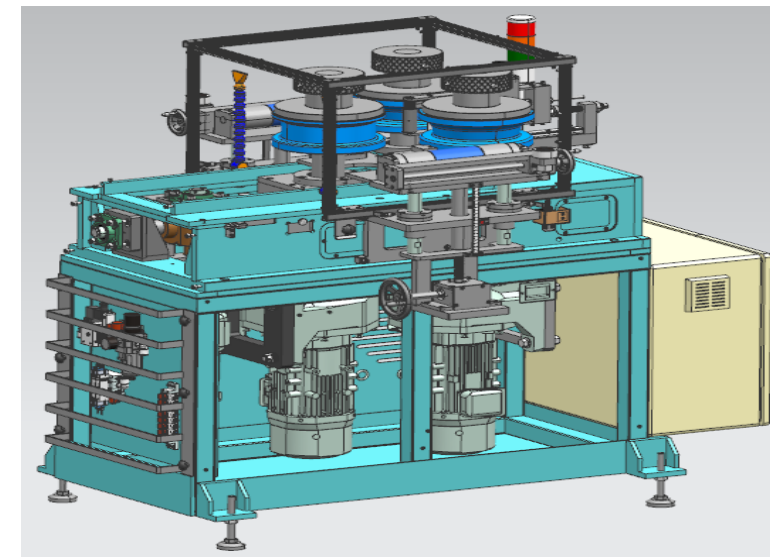
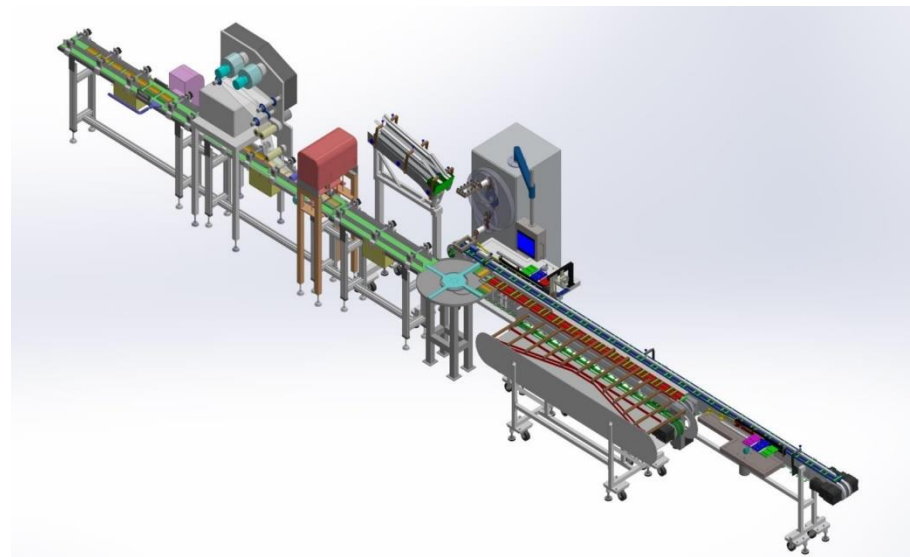
Plant Maintenance , Contractors M&E

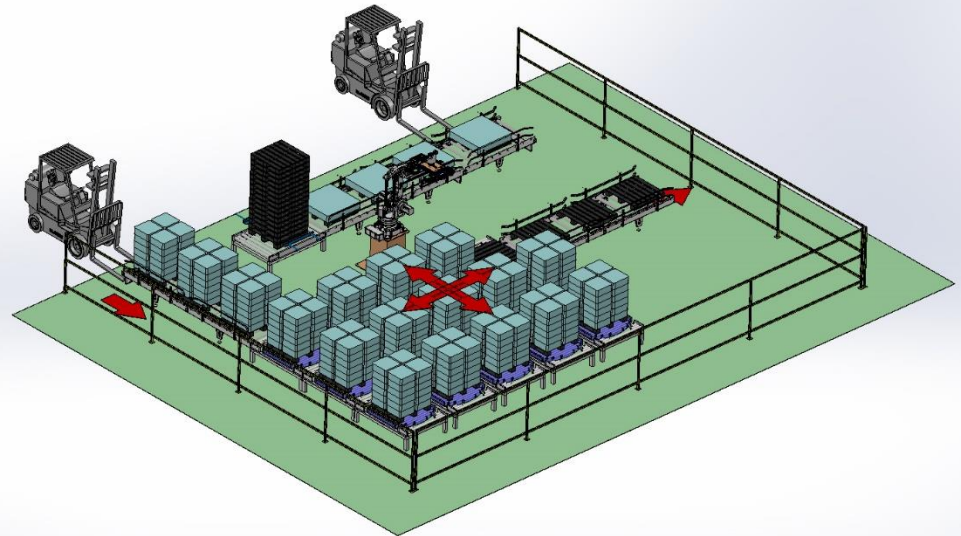
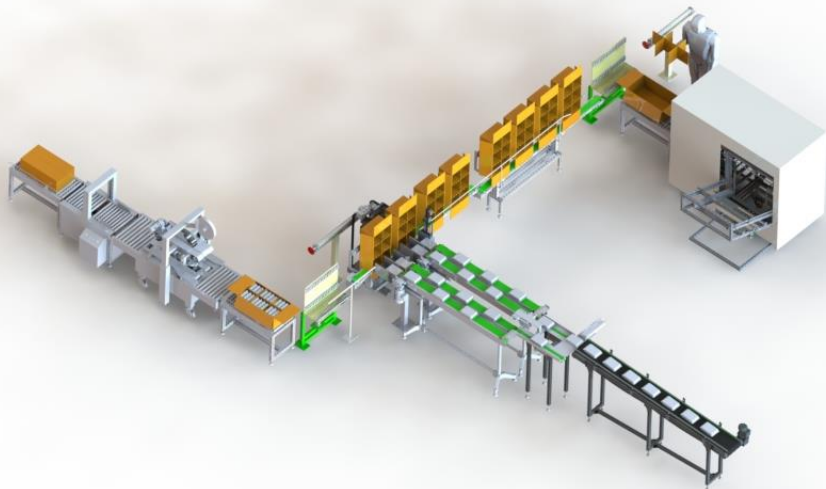
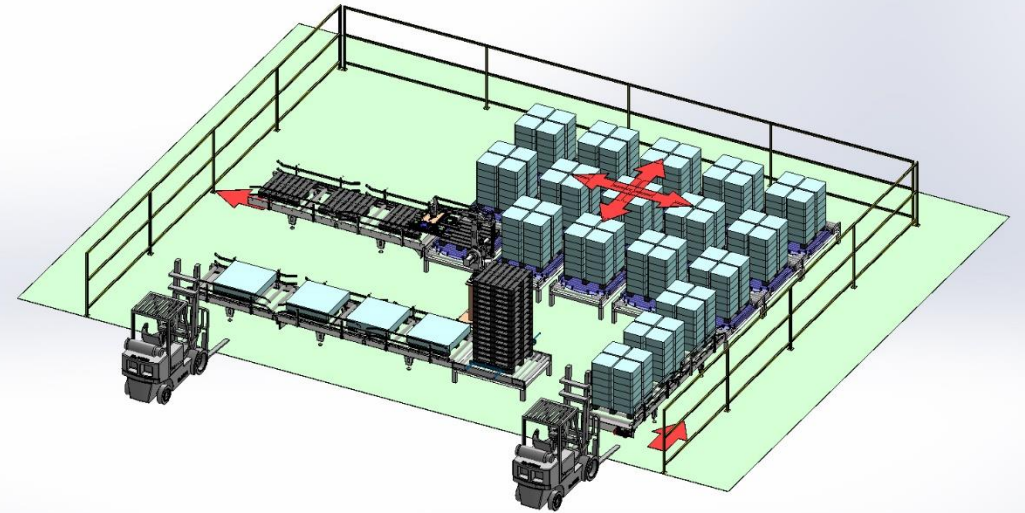


Software Productivity & Energy Improvement



Automation & Robotics Solution





Prototype & 3D Lab

ADDITIVE MANUFACTURING



 Desktop Metal

Fiber™

Industrial-grade, continuous fiber composites, printed from your desktop.



 Desktop Metal

Shop System™

The world's first binder jetting system designed for machine shops.



 **bigrep STUDIO G2**

Reliable Printing in Large-Format for Engineering-Grade Plastic



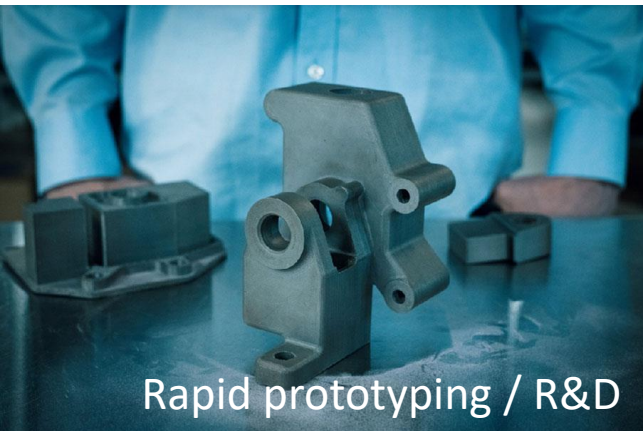
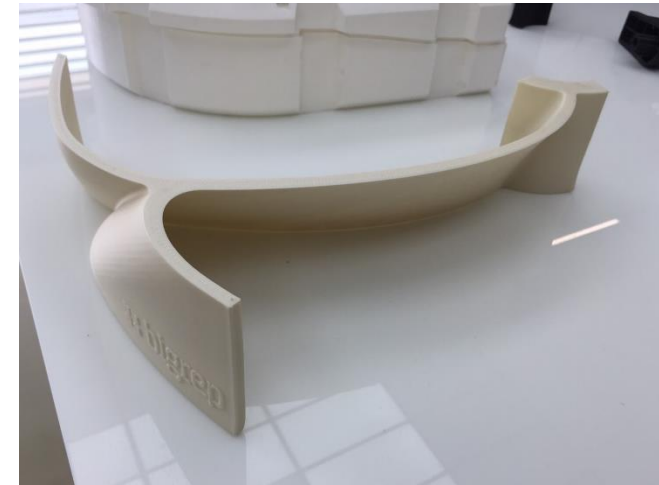
 Desktop Metal

Production System™

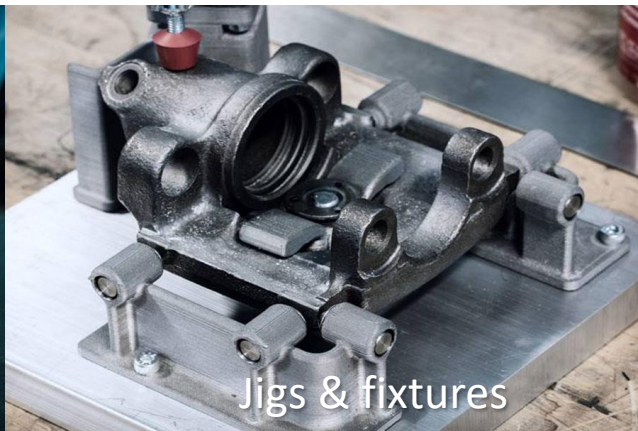
The world's fastest metal 3D printer, with print speeds up to 12,000 cc/hr.

Printing Service

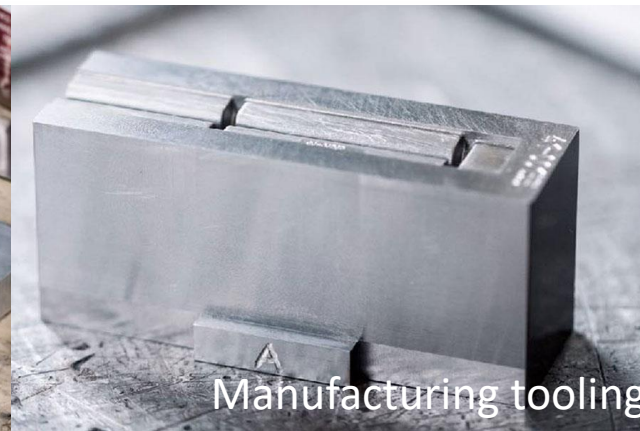
- Metal Printing
- Thermoplastic Printing
- Part Inspection
- Reverse Engineering



Rapid prototyping / R&D



Jigs & fixtures



Manufacturing tooling

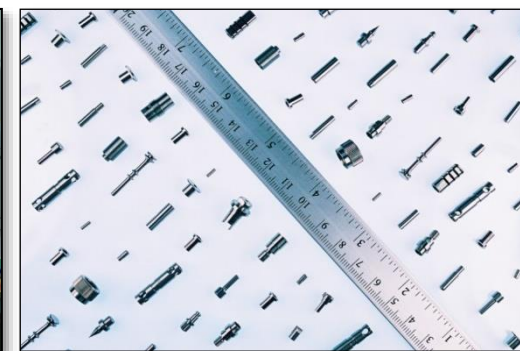


End-use-Parts/ Spare Parts

Resources



WIRE CUT EDM MACHINE MACHINING CENTER CNC DOUBLE COLUMN



High-Precision Technology Machine CNC 5-AXIS MACHINING CENTER

46.- OKUMA MU-6300V

Axis X925 x Y1050 x Z600 x A550 mm

Max Machining $\phi 850 \times 550$ mm Spindle Speed 20,000 rpm



High-Precision Technology Machine TURN-MILL MACHINE

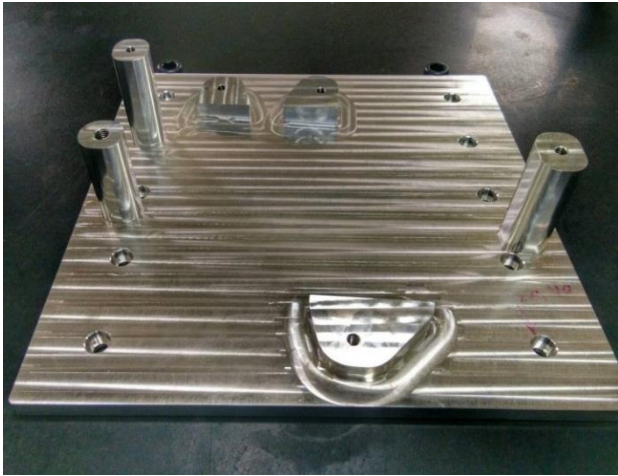
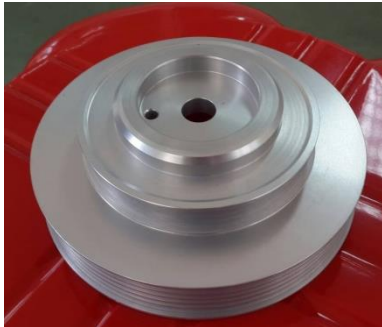
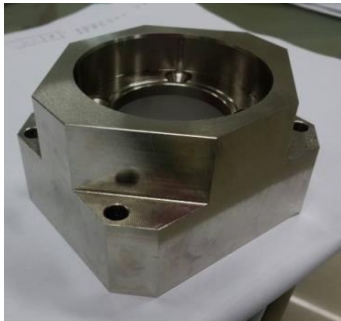
45.- OKUMA MULTUS B400 II (TWIN CHUCK) Main Spindle CHUCK 12" INC
X690 x Y1545 x C360° x B225° Sub-Spindle CHUCK 10" INC
Max Turning Diameter $\phi 710$ mm Spindle Turning 3,800 rpm
Spindle Milling 10,000 rpm



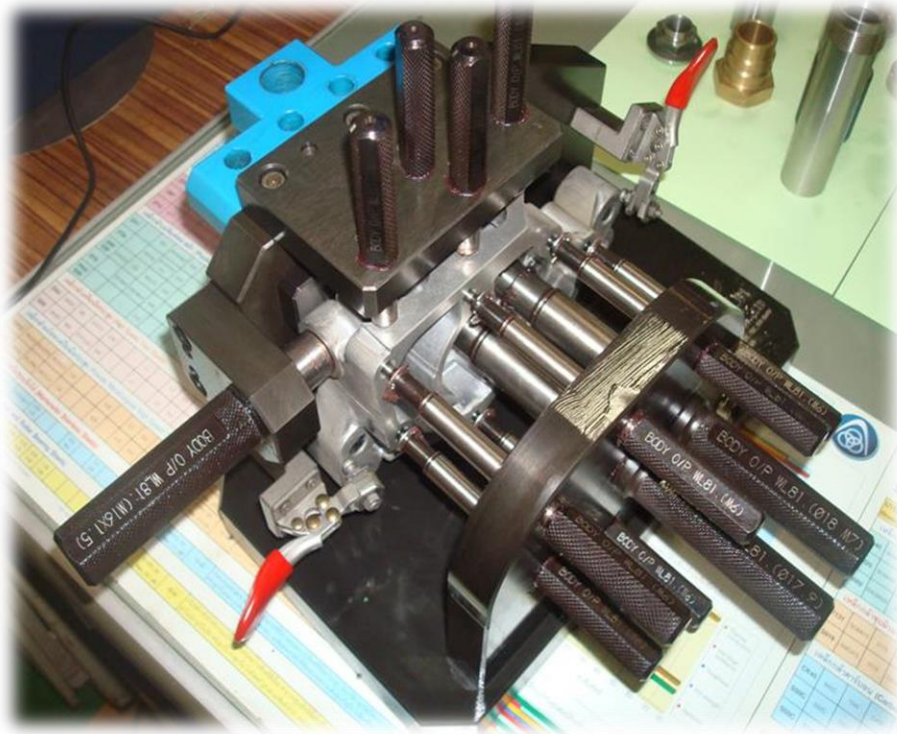
Machine Part Products



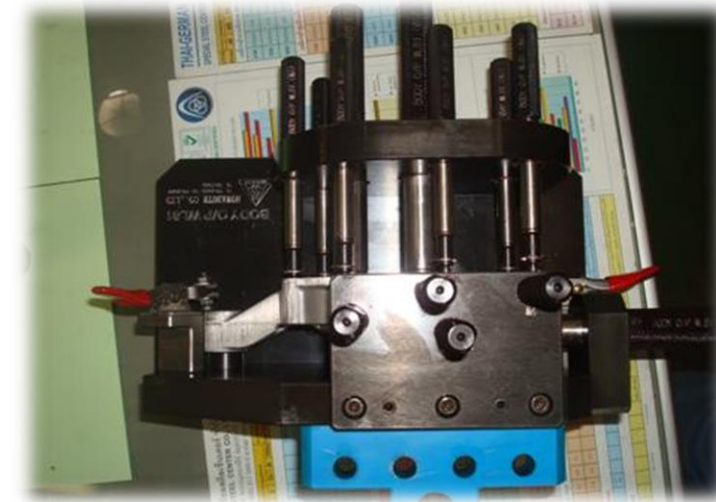
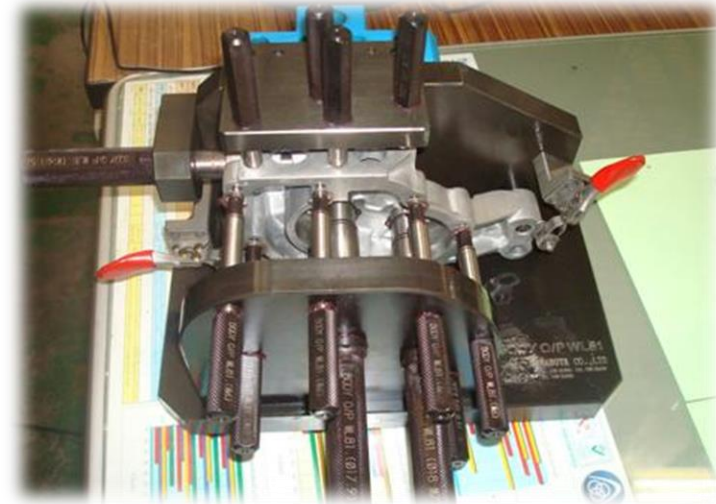
Precision Parts



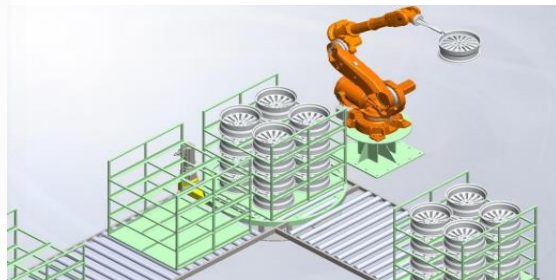
Jig Fixture: POSITION JIG, PLUG GAUGE



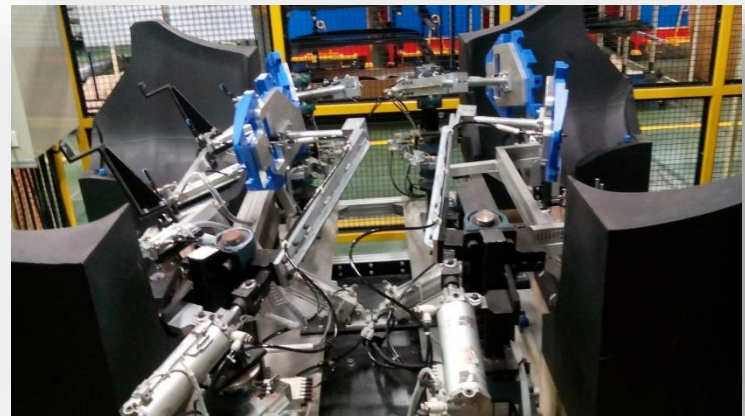
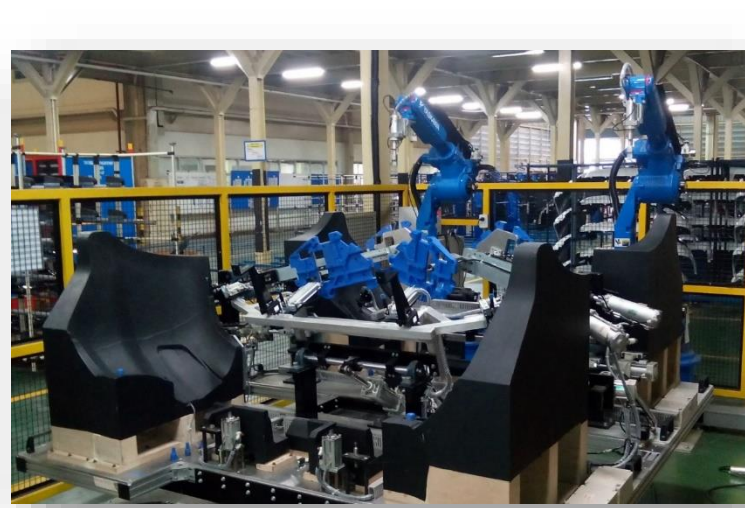
POSITION JIG



Automation & robotics systems



Automation & robotics systems



Play video



Ultra sonic welding system

Automation & robotics systems



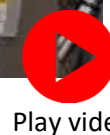
Visual inspection robotic system



Play video



Packing System for Government Pharmaceutical Organization (GPO)





Palletizing system for Beger



Play video



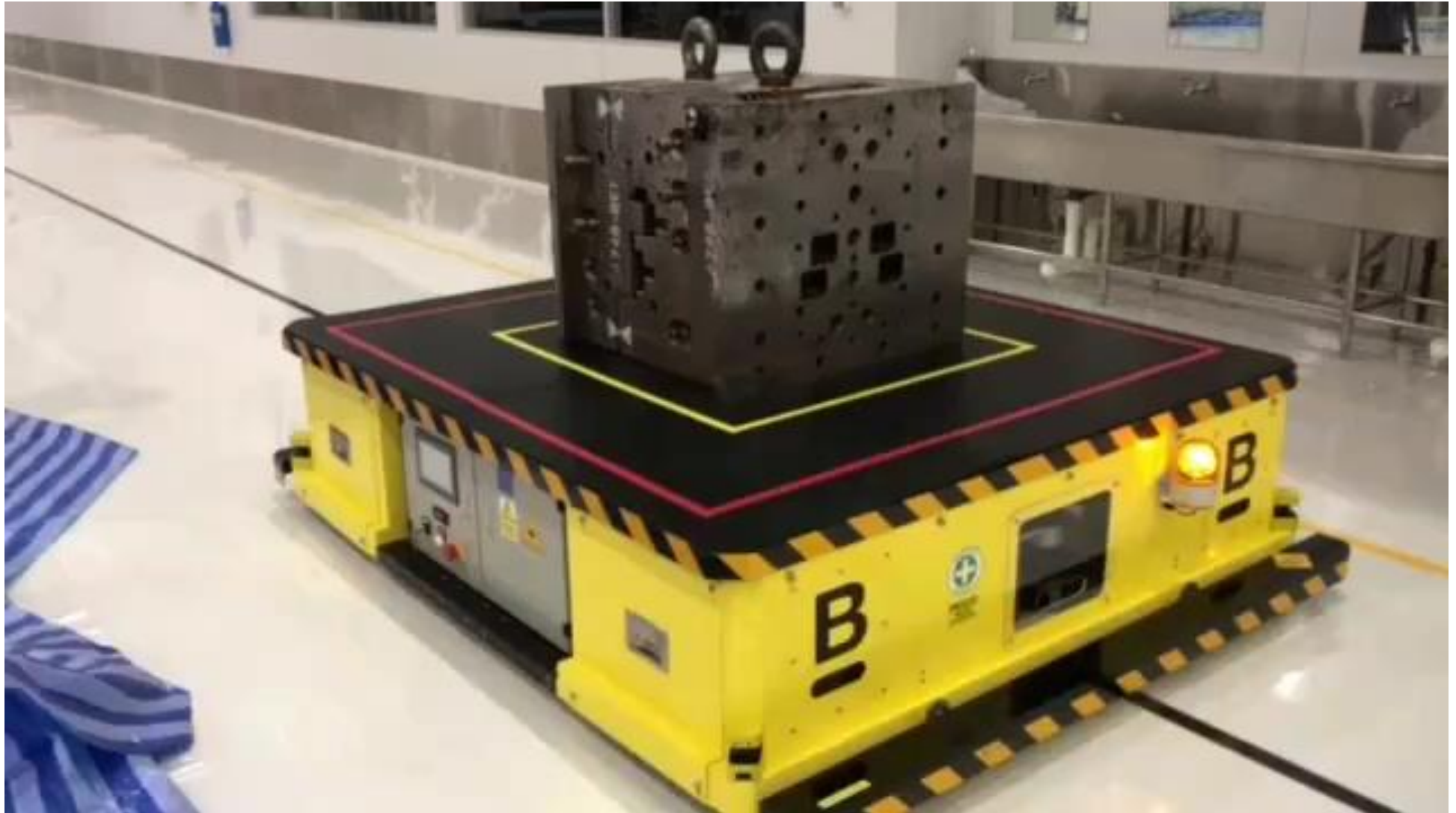
Recent projects



Play video

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AGV



Play video

AGV



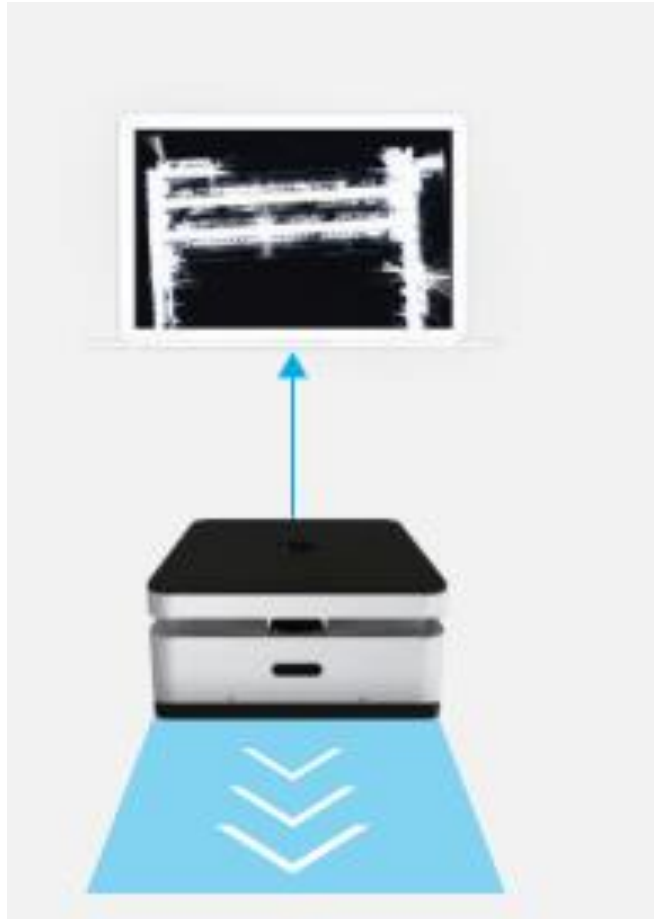
Play video

Autonomous Mobile Robot (AMR)

Standard AGVS for flexible material transfer, loading and unloading of 200 kg - 1T material in manufacturing plants. With IPLUS fusion navigation based on laser SLAM, EMMA Standard Series are ready for large-scale, multi-floor human-machine collaborative factories. With no need for artificial markers to assist deployment, the risk of production suspension can be avoided caused by damaged markers, and devices can be adjusted flexibly according to operation and path variation.



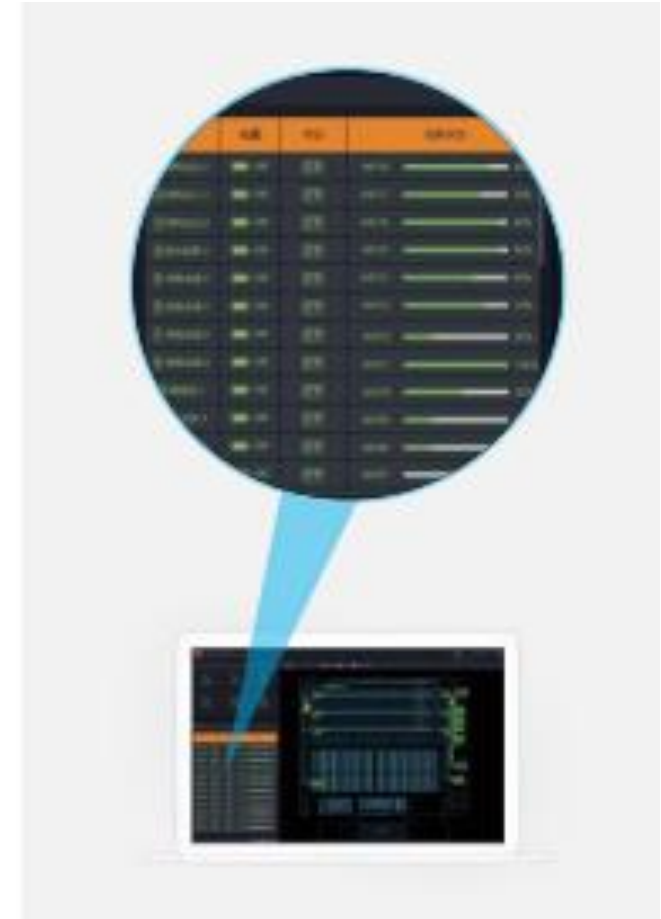
HOW TO USE



สร้างแผนที่



กำหนดค่า



สั่งงานตามต้องการ

CLOUDIA

ระบบจัดการตารางเวลาของ AGV



Fleets ability

ตรวจหาเส้นทางที่เหมาะสมในการขนถ่ายวัสดุตามการทำงาน

