Survival of the

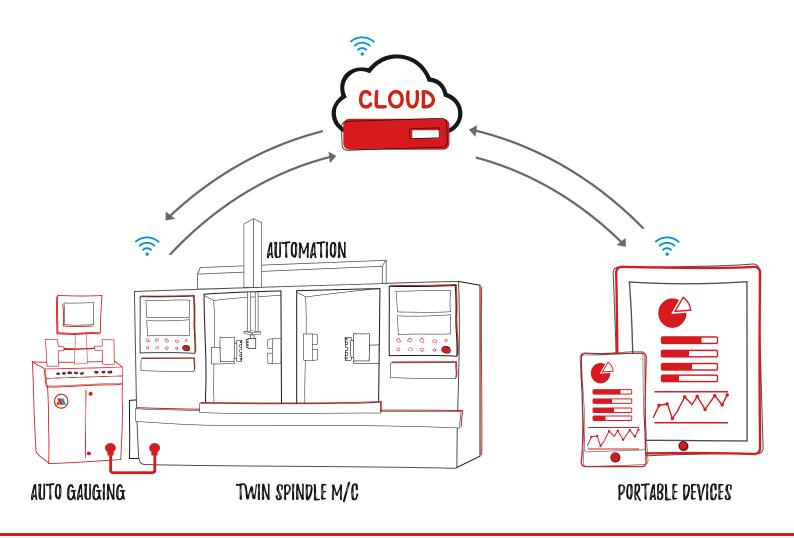
SMARTEST!



SUPER-OPTIMIZED MACHINES

INDUSTRY 4.0/IIoT

SMART AUTOMATION









SUPER-OPTIMIZED MACHINES

UNO + SmartLoad



The #1 Single Spindle Chucker

- 60° Degree Slant Bed
- · Monoblock Casting
- 6000 RPM & 36m/min. Rapids
- Upto 8 tools per spindle with
- SmartFlow (Patented) Coolant System

FIVE advantages of uno with SmartLoad

RELIABLE

Min. No. of moving parts.

COMPACT

Smallest footprint.

FAST

Faster load/unload time.

SAFE

No risk to humans.

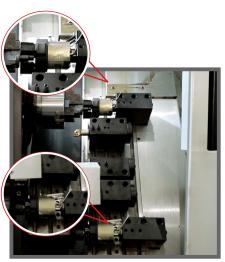
ECONOMICAL Approx. 50% the cost of gantry or robot based automation.

Patented SmartLoad based on "TWIN GRIP TWIN RELEASE"

TWIN GRIP

Gripper 2 Grips Machined

job in chuck



TWIN RELEASE

Gripper 2 Releases machined job

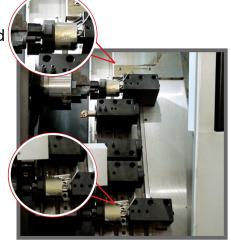
Gripper 1

in chute.

Releases job after chuck clamps.

Gripper 1

Grips fresh job from infeed



TWINTURN UBER

THE MACHINE FOR

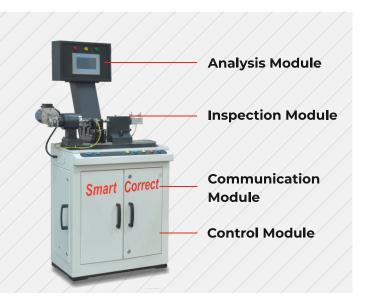
- · 60 Degree Slant Bed
- · Monoblock Casting
- 5500 RPM & 30m/min. Rapids
- · Upto 8 tools per spindle with
- · SmartFlow (Patented) Coolant System

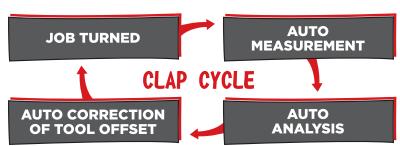


#2 INDUSTRY 4.0/IIoT

SmartFAC: Industry 4.0 Technologies for Smart Factories

SmartCorrect® (Auto-Correction of tool offsets to ensure Zero Defect Production)





SmartChek®

Patent Applied technology for Automated 15 second daily health check of machine BENEFITS

- Predictive Maintenance ensures much longer life.
- Immediate remote detection of Accidents & corrective action initiation & automatic transmission of required information to concerned person.
- No Risk of sudden breakdown of machine causing disruption of entire line.



SmartSens (Technology for Electrical & Electronic Health Care of Machine)

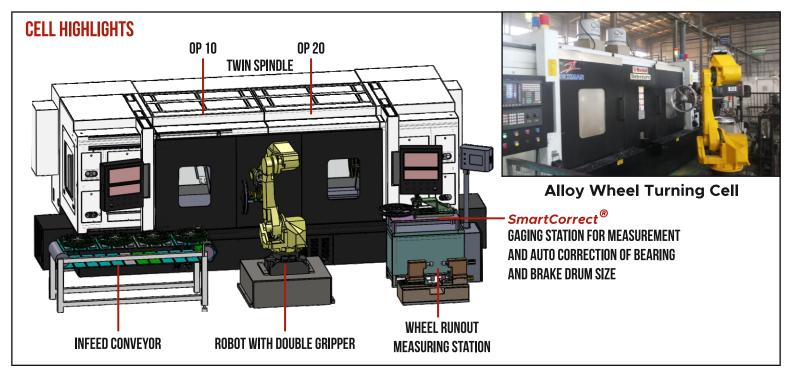
SmartSens collects and analyses (monitors) data from various Sensors in the machine as well as Drives & Servo Motors to autonomously initiate appropriate corrective actions to ensure that the monitored elements in the machine do not suffer from malfunction or breakdown.

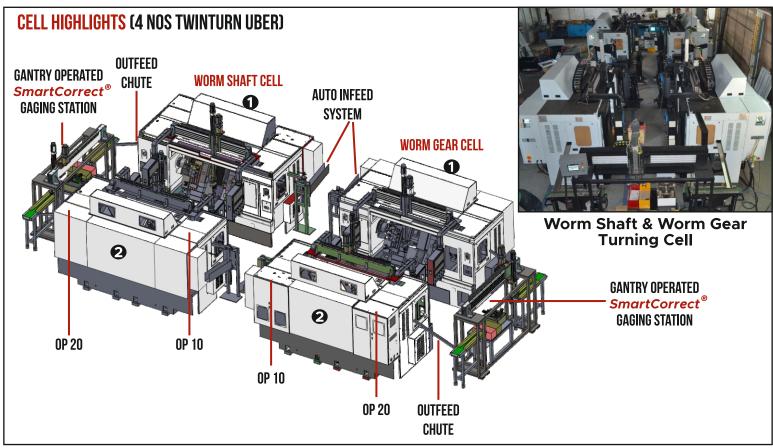






#3 SMART AUTOMATION







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