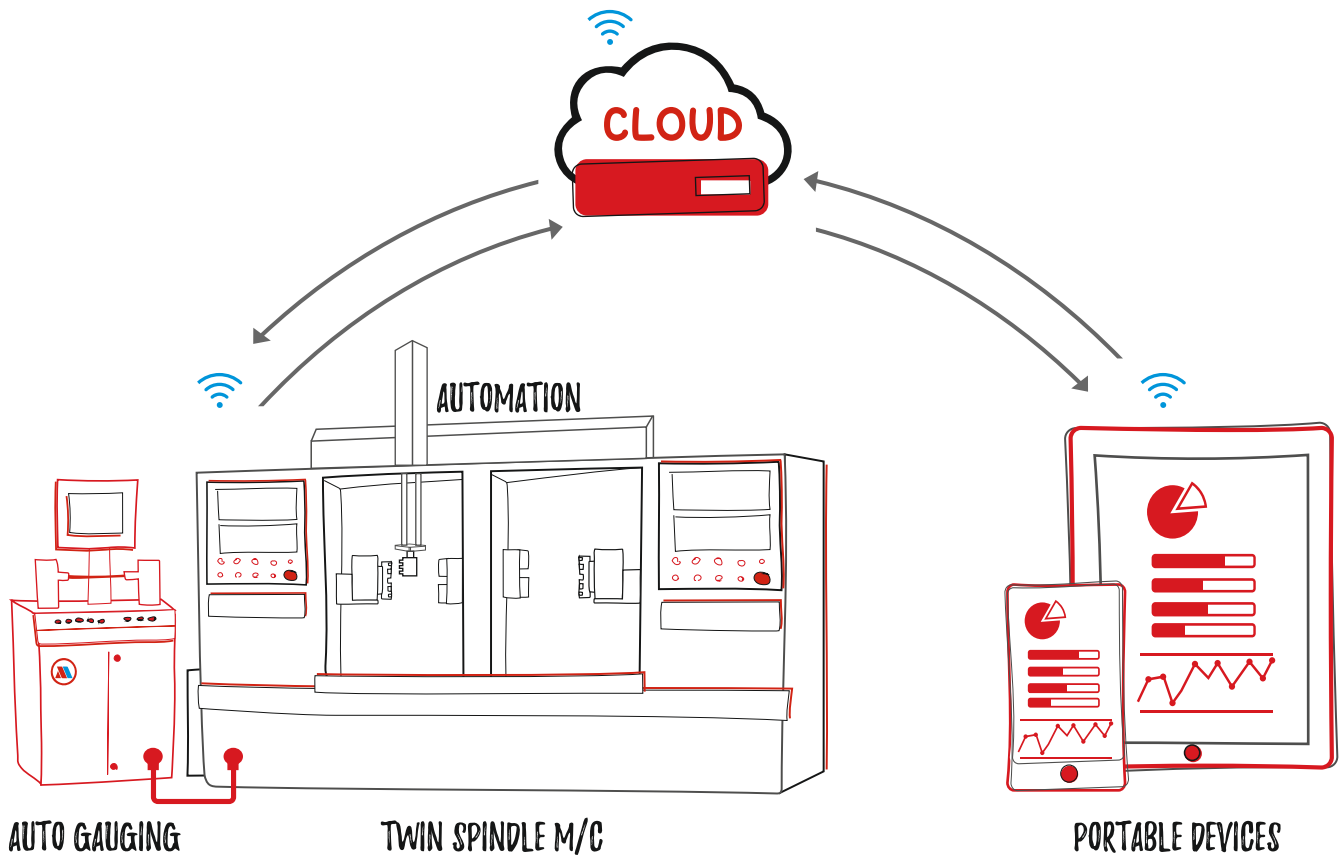


# SMART MANUFACTURING for You!



## IMMUNIZE & STRENGTHEN your machine shops with the **TECHNOLOGY TRISHOOL**

Indian Manufacturing sector needs two things:

1. **IMMUNITY** from shocks like shortage of manpower due to pandemic.
2. **STRENGTHEN** to achieve higher productivity with ZERO defect Quality.

Marshall believe that we achieve both by using the '**Technology TRISHOOL**'.

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Industry 4.0 Technology for ZERO defect Production

# THE Smart Manufacturing Webinar : HIGHLIGHTS

'IMMUNIZE & STRENGTHEN your Machine Shops with the **Technology TRISHOOL**' is India's first 'Experiential Learning' in the Virtual form.

In 60 Minutes, our visionary Managing Director, **Sh. Gaurav Sarup** explains WHY the Technology TRISHOOL is needed, WHAT are these technologies & HOW they will help TRANSFORM your machine shops.



**CLICK HERE**

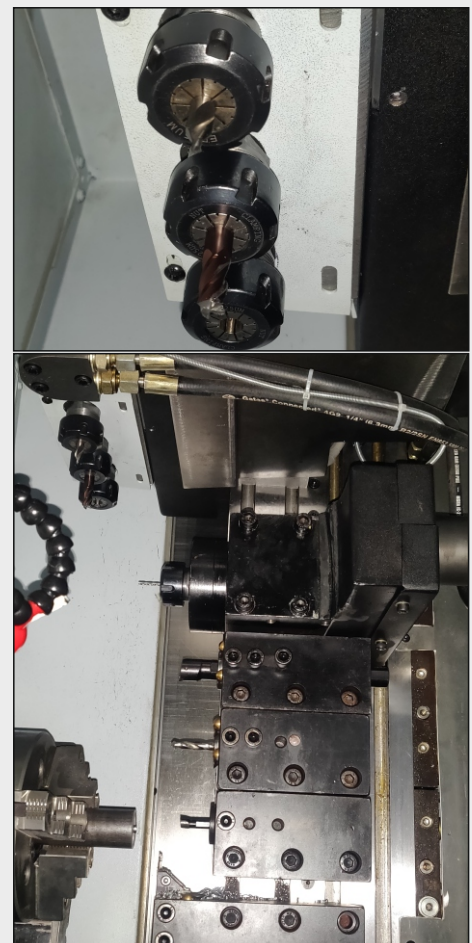


to view 2 minutes of this **UNIQUE SESSION**

**Super-Optimized machine**

## *Juno*

Reduce Cost Per Component by combining Turning with Milling & Drilling with **LINEAR LIVE TOOLS**



To Check Video Solution

**CLICK HERE**



# ***Juno:* Better than TurnMill Center with Live Turret**

## ADVANTAGES

- ✓ Much Lower Cost
- ✓ Faster Cycle time due to Linear Tooling
- ✓ Saving in Expensive Live Tool Holders
- ✓ Simple, Rugged design needs much less maintenance.
- ✓ Y axis operation capability

**Super-Optimized machine**

# **RAPIDTURN NEO**

*Double Head Single Slide CNC Turning Centre*

SmartFlow  
Coolant  
System

Preloaded  
Machine  
Monitoring

Thermastable  
Technology

HIGHER CUTTING  
SPEEDS & TOOL LIFE

HIGHER OEE

HIGHER ACCURACY



To Check Video Solution

**CLICK HERE**





Super-Optimized machine

# SMARTER

Compact CNC lathe with preloaded cloud based **SmartFAC**-Universal machine monitoring technology (Optional)



**CLICK HERE** 

To Check Video Solution

## BASIC MACHINE ADVANTAGES

### **RIGIDITY**

Most rigid machine in its class.

### **ACCURACY**

Very high accuracy & size stability because of thermastable.

### **PRODUCTIVITY**

Max. spindle speed of 5500 rpm and rapids of 30m/min. make it the most productive machine in its class.

Preloaded **SmartFAC-Universal** and 'Best in Class' specifications result in 20-25 % extra output compared to competition.

# Industry 4.0 Technology

## SmartCorrect **ECO**

### Auto Inspection & Auto Correction System

leads to ZERO defect Production.



Air Gauge / Probe Inputs

## Zero Defect

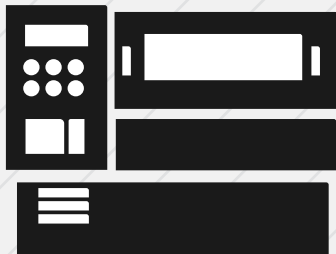
Production without dependence on 'Skilled Operator or Inspector'

To Check Video Solution

**CLICK HERE**



### Part Produced



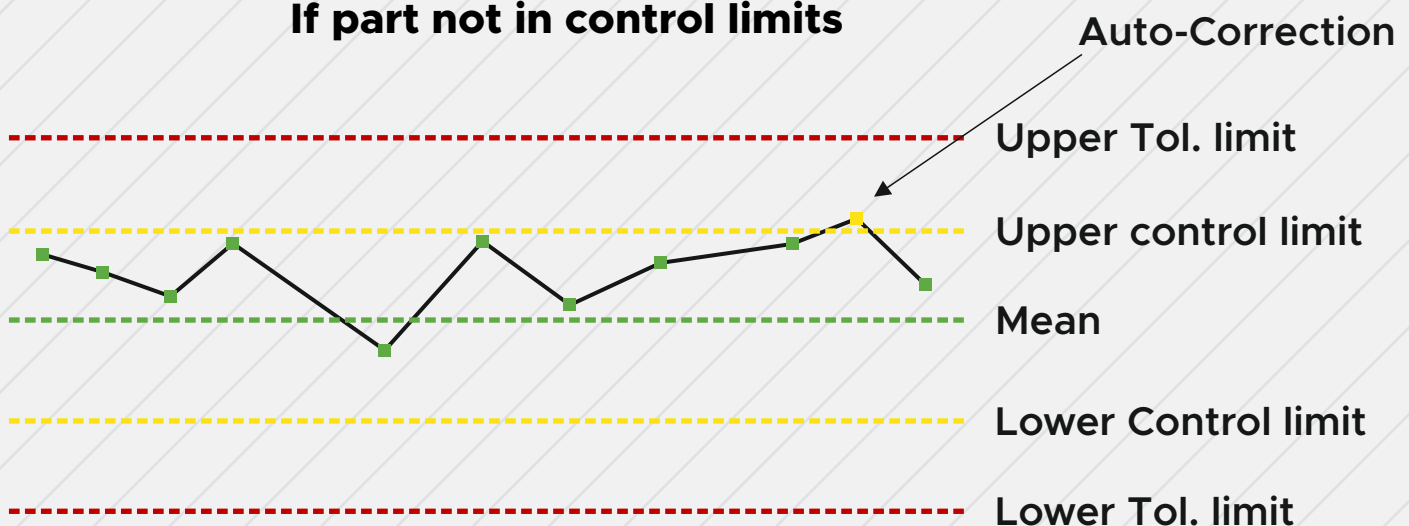
### Auto Correction

### Part Checked

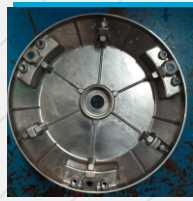


## HOW IT WORKS

### If part not in control limits



**SmartCorrect** **ECO**  
**success story**



**JOB**  
Fan Cover

Rejection + Rework Before (with Skilled Operator) : **0.15%**

After installing ECO (with any Operator) : **0.03%**

**RESULT: 5 times** reduction in Rejection & Rework  
and no dependence on skilled operators!

**WEBINAR INVITATION**

**IMMUNIZE & STRENGTHEN**  
your Machine Shop with the  
**TECHNOLOGY TRISHOOL**

FRIDAY  
**June**  
**11th**  
3.30 PM

**PRESENTER**  
**GAURAV SARUP,**  
Managing Director  
**Marshall Machines Limited**

**CLICK HERE**  
**TO REGISTER**



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