

TRANSFORMING Manufacturing... *Smartly!*

Marshall displayed many new machines and Smart Automated solutions @ **IMTEX 2019** the biggest Manufacturing Technology show in South & S. East Asia. (Bangalore 24-30th January).



MARSHALL'S BOOTH @ **IMTEX 2019**



Altius WITH INDUSTRY 4.0 TECHNOLOGIES



MARSHALL TEAM @IMTEX BOOTH



AUTOMATED TWINTURN UBER WITH SMARTLOAD 10-20



TWINTURN FLEXICELL WITH ROOF MOUNTED ROBOT



UBER & UNO STOLE THE SHOW

22 CUSTOM APPARATUS, INC.

23 Marshall Automation America



Marshall Automation America Inc. successfully started operations from Atlanta, US by launching & inaugurating their Technology Centre there. The event which was attended by dealers, customers, was also graced by the participation of delegates from the Metro Atlanta Chamber & Gwinnett Chamber of Commerce who offered full support and appreciated 'Marshall's state of the art CNC Machines & Smart Correct Gauging Stations along with the Industry 4.0 Solutions. The event was covered by Global Atlanta.

L to R : Mr. Siddhant Sarup, Mr. Ani Agnihotri & Mr. Prashant Sarup at Tech. Center.



INAUGURATION CEREMONY OF MARSHALL TECHNOLOGY CENTER AT ATLANTA, USA.



MARSHALL'S SMARTCORRECT BEING APPRECIATED BY VISITORS



VISITORS UNDERSTAND INDUSTRY 4.0 TECHNOLOGIES

WEEKLY WORKSHOPS ON INDUSTRY 4.0 AT MARSHALL'S | 4.0 CENTER MANESAR



VISITORS IN DEMO AREA OF I 4.0 CENTER



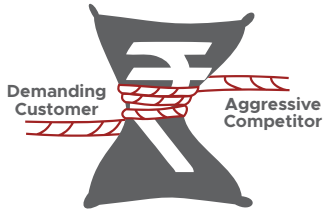
MR. GAURAV SARUP CONDUCTING WORKSHOP ON INDUSTRY 4.0



INDIA'S FIRST WORKSHOP WITH LIVE DEMO OF INDUSTRY 4.0 SMART TECHNOLOGIES

WHY

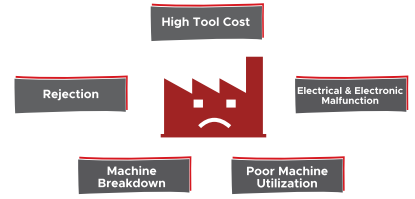
Manufacturing needs **TRANSFORMATION TODAY ?**



Profits Under Pressure



Shortage Of Machine Operators



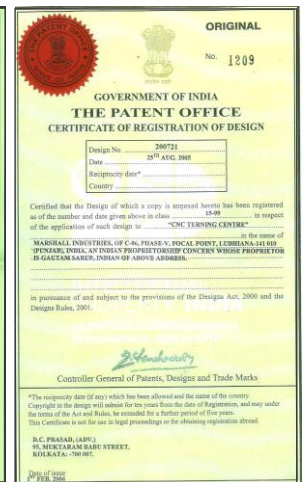
Sub-Optimal Operation of Machine Shops

HOW

Marshall has DEVELOPED Solutions



- SmartCorrect** Patent Filed
- SmartChek** Patent Filed
- SmartInsert** Patent Filed
- SmartFlow** Patent Filed
- SmartLoad 10** Patent Filed
- SmartLoad 10-20** Patent Filed
- SmartBlock** Patent Filed
- SmartPlate** Patent Filed
- SmartAct** Patent Filed
- SmartPartCatch** Patent Filed
- Mais** Patent Filed



Intensive R&D = Patented Technologies

WHAT

are the SOLUTIONS

Marshall
TECHNOLOGY

**YOUR WEAPON FOR
COMPETITIVENESS,
PROFITS
& PEACE OF MIND**



TRISHOOL

SUPER-OPTIMIZED MACHINES

AFFORDABLE AUTOMATION

**SmartFAC:
INDUSTRY 4.0..REIMAGINED!**

1ST SHOOL

SUPER-OPTIMIZED MACHINES

Twinturn **UBER**

Epitome of Super Optimization

- More than 20% Extra Productivity
- 20% Extra Tool Life (with *SmartFlow*)
- 40% Space Saving (vs 2 Nos. Single Spindle Machines)
- 50% Saving in manpower



2ND SHOOL

AFFORDABLE AUTOMATION

uno with *SmartLoad 10*

has following **FIVE** Advantages

- MIN. No. of moving parts.
- Smallest Footprints.
- Mechanism inside machine. No risk to humans.
- Faster Load/Unload time.
- Approx. 50% cost of Gantry or Robot based automation.

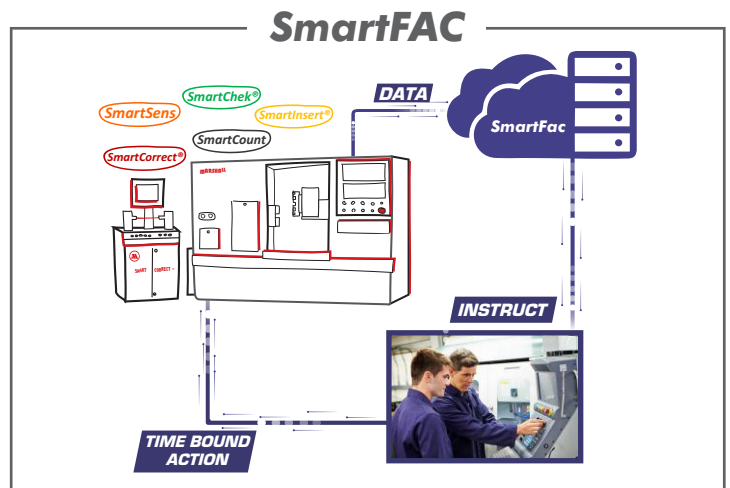


3RD SHOOL

SmartFAC: INDUSTRY 4.0..REIMAGINED!

SmartFAC consists of 5 Smart Patent Filed Technologies that function as a Closed loop system for managing machine shops.

- SmartCorrect
- SmartInsert
- SmartCheck
- SmartInsert
- SmartCount



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