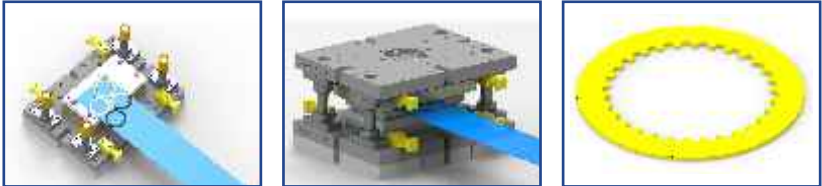


Precision Press Tools

Tool Specifications

Tool Name : Clutch Plate Compound Tool
Type of Tool : Compound
Tool Size in mm : LR-590, FB-450, SH-330
Tool Weight : 410Kg. R.M. Thick :1.6 mm
Features of Tool : Critical Compound Tool



Tool Specifications

Tool Name : Clutch Plate Plannishing Tool
Type of Tool : Plannishing Tool
Tool Size in mm : LR-300, FB-250, SH-270
Tool Weight : 75 Kg. R.M. Thick :1.6 mm
Features of Tool : Critical Plannishing Tool



Tool Specifications

Tool Name : Deep Draw Tool
Type of Tool : Draw
Tool Size in mm : LR-520, FB-420, SH-250
Tool Weight : 290 Kg. R.M. Thick :1 mm
Features of Tool : Critical draw Hight 35 mm



Tool Specifications

Tool Name : 7 Cavity Auto Blanking Tool
Type of Tool : 7 Cavity
Tool Size in mm : LR-930, FB-810, SH-350
Tool Weight : 1330 Kg. R.M. Thick :2.5 mm
Features of Tool : 7 Cavity and 3 Type Blank.



Tool Specifications

Tool Name : 3 Cavity Auto Blanking Tool
Type of Tool : 3 Cavity
Tool Size in mm : LR-950, FB-900, SH-400
Tool Weight : 1670 Kg. R.M. Thick :3 mm
Features of Tool : 3 Cavity One Time



Tool Specifications

Tool Name : Draw Tool
Type of Tool : Draw
Tool Size in mm : LR-750, FB-500, SH-300
Tool Weight : 650 Kg. R.M. Thick : 1.6 mm
Features of Tool : Critical draw tool



Valuable Customers



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SMART TECHNOLOGIESS
.....beyond possibilities

www.smaarttechno.com



About us

Pioneer's in Technology for Manufacturing of SPM, Machines, Automation, Robotic Integration and Press Tools.

Our Mission

Leader in our product Domain

Our Moto

Growth through consistent excellence in our products.

Our USP

Manufacturing of SPM's

Manufacturing of Tube Notching Machines

Manufacturing of Automation and Automation line

Integration of Robotic lines

Manufacturing of Precision Press Tools

Milling SPM

Technical Specification

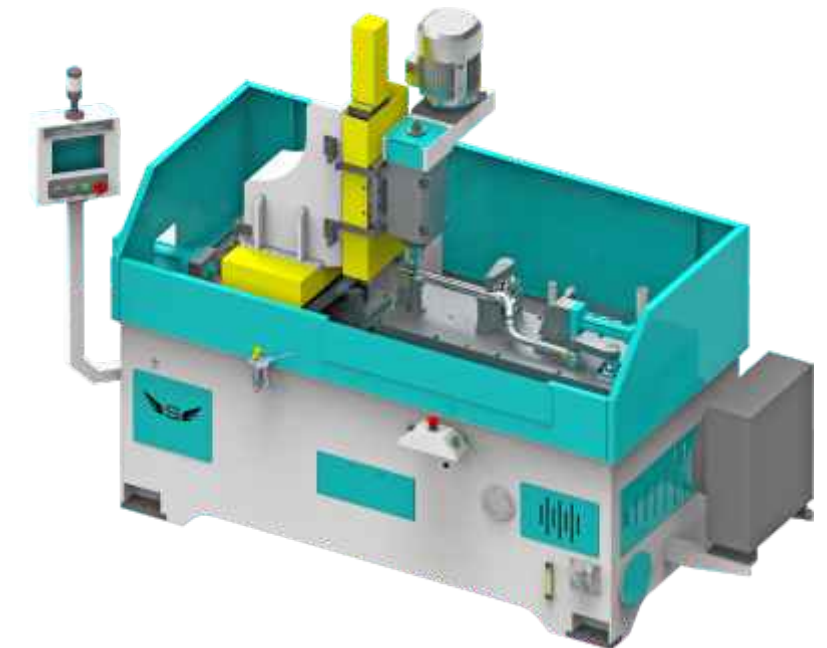
Hydraulically operated, PLC & Servo controlled.

Salient Features

- Consistent quality & productivity.
- Profile consistency.
- Low tool maintenance
- Suitable for faster prototyping
- Change over and flexibility possible
- We can adjust cutting & depth very minutely with the help of servo motor

Application Areas

All types of applications where pipe end preparation is required.



Gang Drilling SPM

Technical Specification

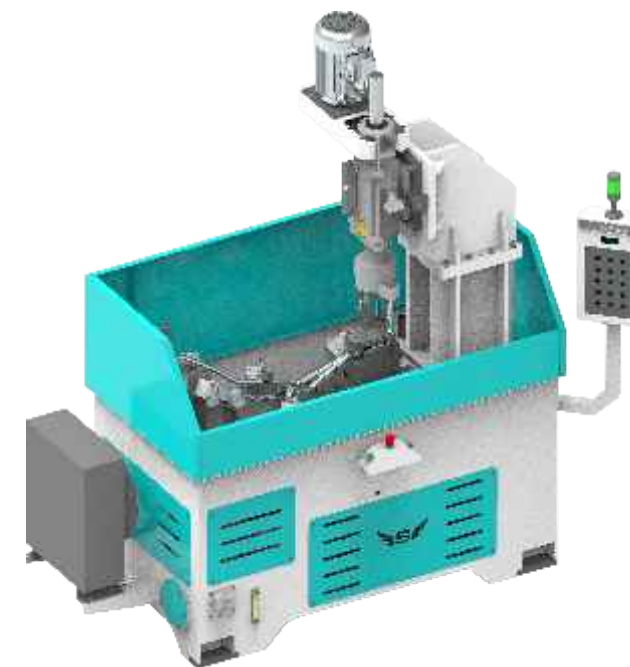
Hydraulically operated PLC controlled

Salient Features

- Consistent Quality & Productivity.
- Profile Consistency.
- Low Tool maintenance
- Economic Operating Cost.
- Drill re sharpening alert through SMS.
- Suitable for faster Prototyping

Application Areas

All types of Tubes, where drilling is required



Center Drilling and Chamfering SPM

Technical Specification

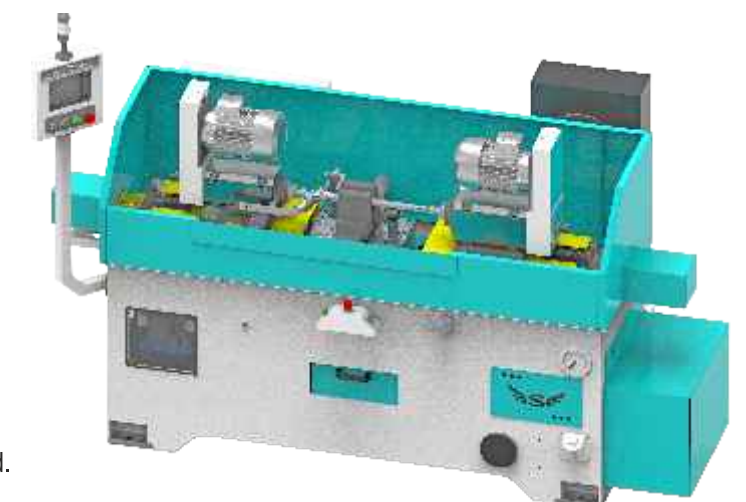
Hydraulically operated PLC & Servo controlled.

Salient Features

- Consistent quality & productivity.
- Profile consistency.
- Low tool maintenance
- Suitable for faster prototyping
- Both tube cutting operation in single cutter
- Change over and flexibility possible
- Easy to move cutting tool profile by adjustment with servo motor.

Application Areas

All types of applications where pipe end preparation is required.

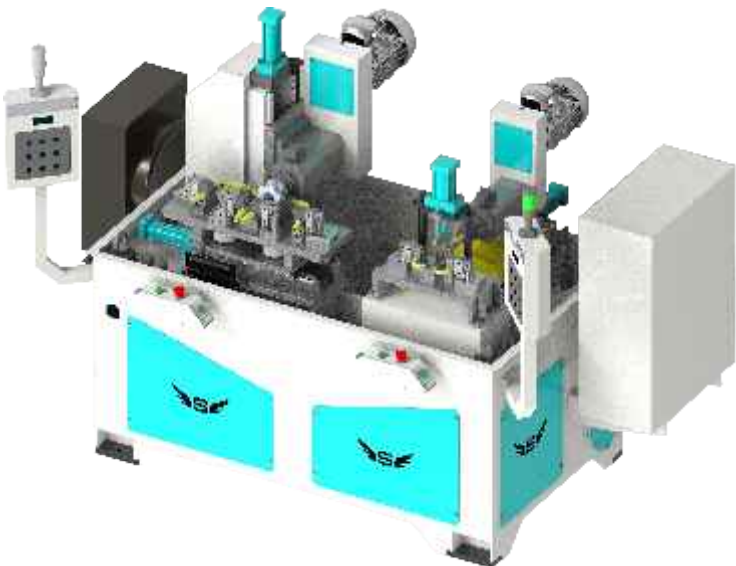
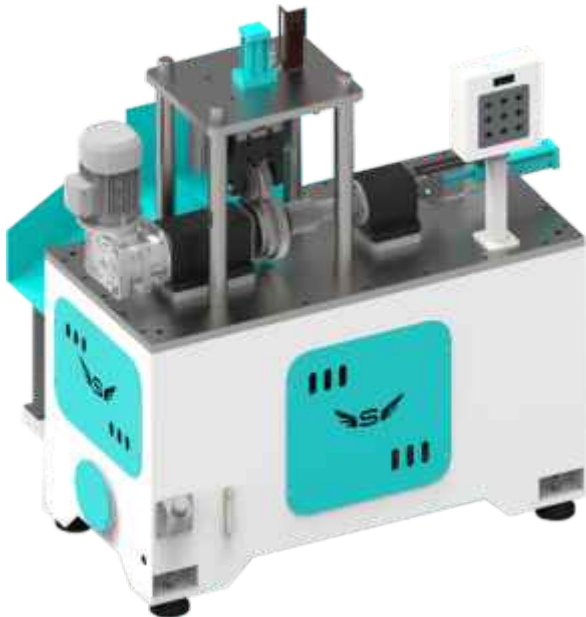


Spinning Machine

Technical Specification
Hydraulically operated PLC controlled

- Salient Features**
- Replaced earlier crude method of spinning by this SPM
 - Profile consistency
 - Economic operation cost
 - Fatigue less operation
 - Low tool maintenance
 - Spinning & cutting in single stage one time clamp

Application Areas
All spinned items



Slot Milling & Metering Machine

Technical Specification
Hydraulically operated PLC & Servo controlled

- Salient Features**
- Consistent quality & productivity.
 - Profile consistency.
 - Low tool maintenance
 - Suitable for faster prototyping
 - Both tube cutting operation in single cutter
 - Change over and flexibility possible
 - Easy to move cutting tool profile by adjustment with servo motor.

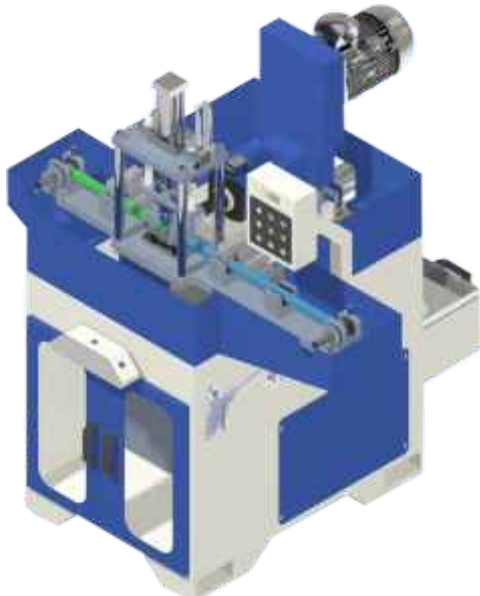
Application Areas
All types of applications where pipe End Preparation is required

Metering Machine

Technical Specification
Hydraulically operated PLC & Servo controlled

- Salient Features**
- Consistent quality & productivity.
 - Profile consistency.
 - Low tool maintenance
 - Economic operating cost.
 - Suitable for faster prototyping

Application Areas
All types of applications where pipe End Preparation is required

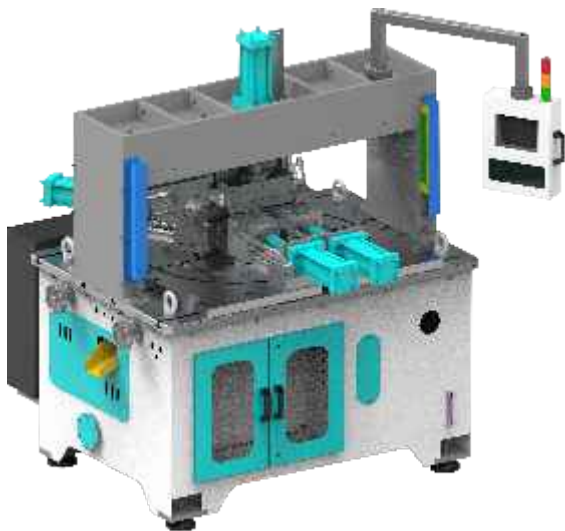


Tube Notching Machine

Technical Specification
Hydraulically operated PLC controlled

- Salient Features**
- Consistent quality & productivity.
 - Profile consistency.
 - Low tool maintenance
 - Economic operating cost.
 - Punch resharpener alert through sms.
 - Suitable for faster prototyping
 - Forming & notching operation can be performed in single stroke.
 - Feature of higher version machine

Application Areas
All types of applications where pipe End Preparation is required



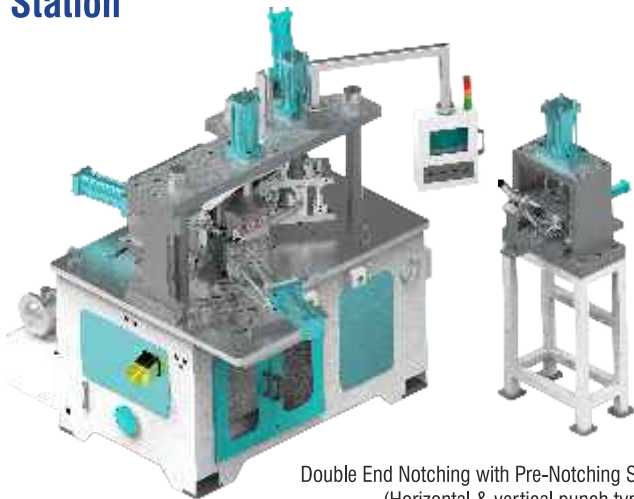
Double End Notching With Pre-Notching Machine (Horizontal Punch Type)

Tube Notching Machine with Attach Station

Technical Specification
Hydraulically operated PLC controlled

- Salient Features**
- Consistent quality & productivity.
 - Profile consistency.
 - Low tool maintenance
 - Economic operating cost.
 - Punch resharpener alert through sms.
 - Feature of higher version machine
 - Forming & cutting operation in single machine

Application Areas
All types of applications where pipe End Preparation is required



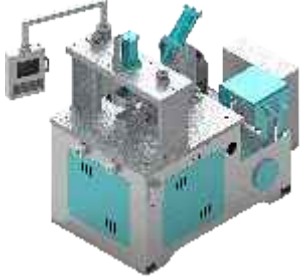
Double End Notching with Pre-Notching SPM (Horizontal & vertical punch types) With attach end forming station

Tube Notching Machine Types

Single End Notching with Pre-Notch Machine (Horizonatal Punch Type)



Single End Notching with Pre-Notch Machine (Vertical Punch Type)



2 Station Notching Machine (Mandrill Guide)



SR. NO.	MACHINE TYPE	MIN. OD	MAX. OD	MIN. THK.	MAX. THK.	TUBE LENGTH	ANGLE FLEXIBILITY	POWER/ CONSUMPTION	M/C CYCLE TIME
1	Single end Tube Notch	16	43	1.4	2.6	Infinite	0 to 40	10 hp	8 to 10 sec.
2	Single end Tube Notch with Pre-Notch	16	43	1.4	3.2	Infinite	0 to 40	10 hp	8 to 10 sec.
3	Double end Tube Notch	16	38	1.4	2.6	80 to 350 mm	0 to 35	10 hp	8 to 10 sec.
4	Double end Tube Notch with Pre-Notch	16	38	1.4	3.2	80 to 350 mm	90	10 hp	10 to 12 sec.
5	Double end Tube Notch with Pre-Notch	16	38	1.4	3.2	120 to 250 mm	0 to 40	10 hp	10 to 12 sec.

Automatic Tube Cutting Machine with Auto Loader

Technical Specification

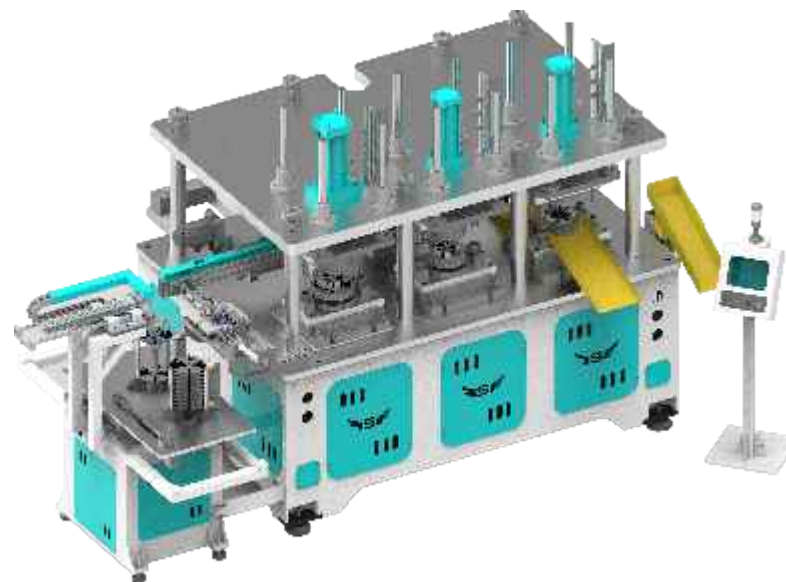
Electrically & Pneumatically Operated
PLC & Servo controlled

Salient Features

- Consistent quality & productivity
- Length consistency
- Less cutting time & economic operation cost
- Low tool maintenance
- Full length (6 meter) tube as a input 2 ton loader capacity with 6 meter tube

Application Areas

Automobile, Fabrication etc



Draw with Trimming Automation Line

Technical Specification

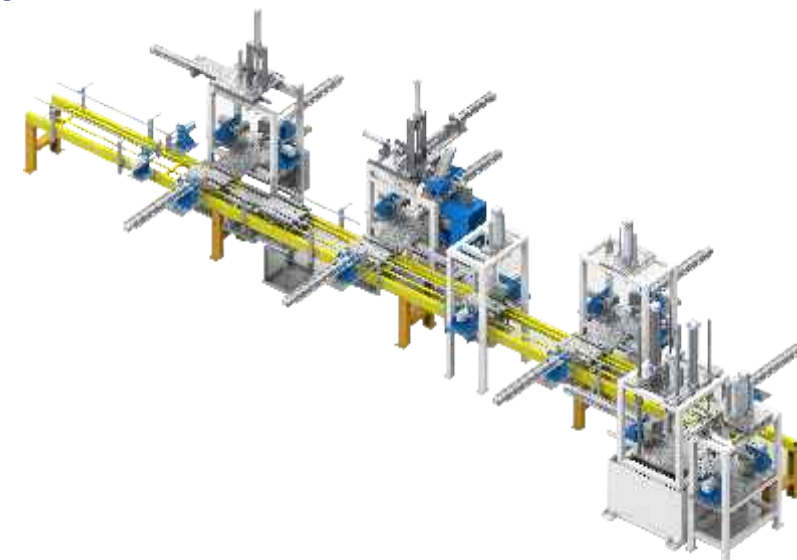
Electrically & Pneumatically Operated
PLC & Servo controlled

Salient Features

- All tree operation in single SPM 1st draw, 2nd draw & trimming.
- Consistent quality & productivity
- Manless operation one time blank loading stack
- Low tool maintenance
- Suitable for another product with easy change over

Application Areas

Multiple operation with high volume



Gas Tank Assembly automation Line

Technical Specification

Electrically & Pneumatically Operated
PLC & Servo controlled

Salient Features

- 4 type of product on single SPM
- Minimum part change over setting time
- Part transfer by chain conveyor
- All 7 operation on single line

Application Areas

Gas filling industries

LASER WELDING Automation Line

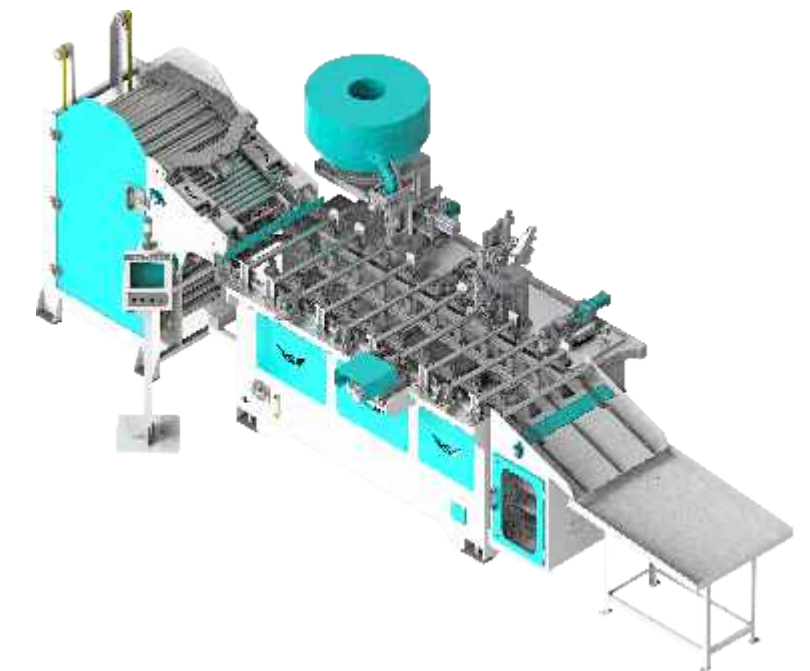
Technical Specification

- Compact machine design
- All 10 operation get combine in one machine
- Operator less machine
- Very less cycle time (6 sec/job)

New Welding Technology **Laser Welding**
(without filler) used in this machine

Salient Features

- Operator less machine
- Poka-Yoke for rejection part
- Consistent quality & productivity
- Unskilled / semi skilled operator can operate
- Digital part counter & cycle time display
- Very fine welding.



Robotic Mig Welding Cell

Technical Specification

- Compact cell
- Multiple e-stop button
- Easy installation due to modular design
- Consistent quality and repeatability
- Low maintenance

Features

- Out-put / Man / Hours increase compare to manual process
- Poka- Yoke for wrong part loading, wrong position of part and missing part
- Consistent Quality and Productivity
- Unskilled / Semi skilled operator can operate
- Interlocking for Air / Gas pressure
- Easy to line change over
- 100% Utilization of Man & Machine
- Reduce operator fatigue compare to manual welding
- Low in-house rejection (IHR)
- Plug & play type installation & setup
- Digital part counter & cycle time display

Round Welding SPM

Technical Specification

- Electro pneumatically operated
- PLC controlled
- 1.5 hp power requirement
- Round as well ass linear (overlap) welding in a single operation with help of servo control.

Features

- Sustainable quality
- Consistent productivity
- Unskilled / semi skilled operator can operate
- Less intracell material handling
- Less operating stages.

Application Areas

All types of applications where pipe end preparation is required.

