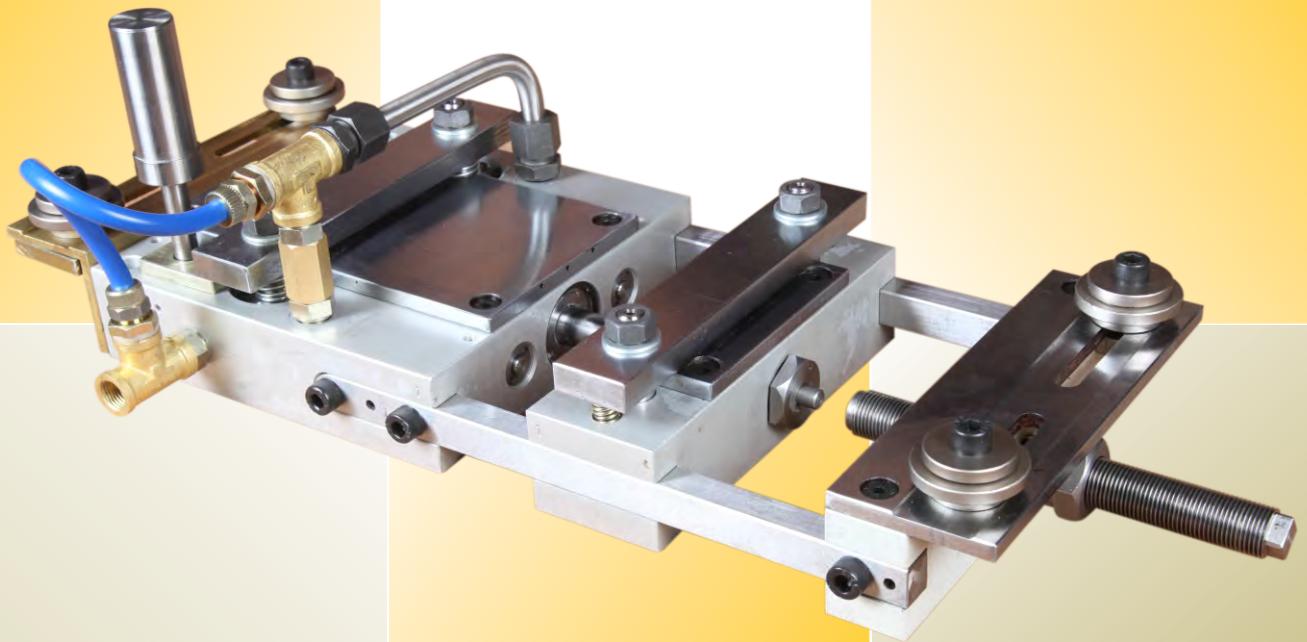


Jay Shanti Pneumatic Feeder

High Quality Product for
Coil-Feeding in Press-Room



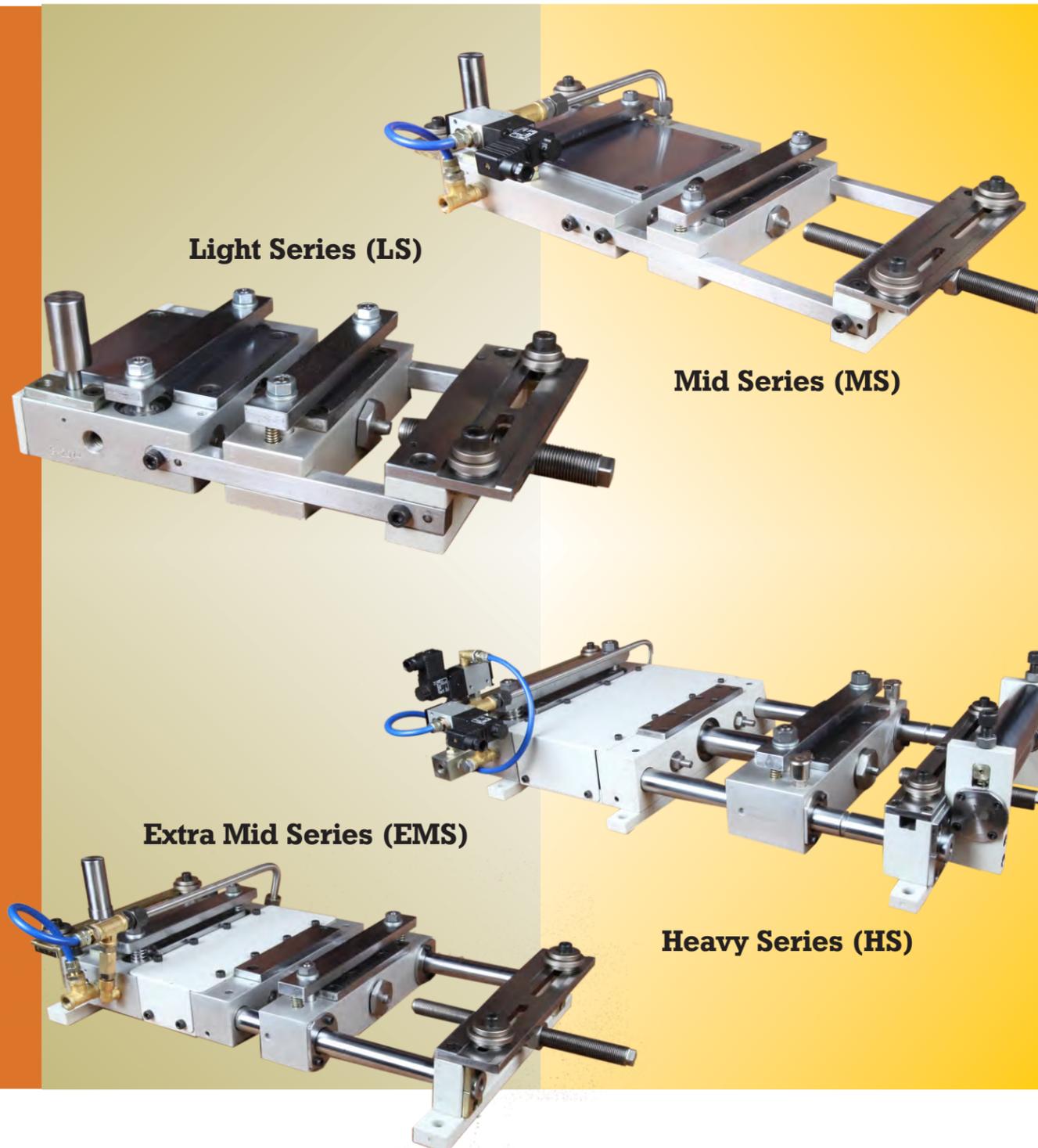
The main constructional characteristics of Jay Shanti feeders are

- **Rigid & Strong Structure** with minimal wear characteristics, mounted as close as possible to the die set or on the die in case of thin strips
- **Durability** (all sliding components are hardened or hard-chrome plated - pistons in stainless steel - hard brass cylinder lines to avoid oxidation problem)
- **Very High Pitch Accuracy** because of powerful front and rear shock absorbers
- **Quiet**
- **Low Air Consumption & Inexpensive**
- **Simple Installation** (it is an interchangeable component from one die set to the other)



Pneumatic Feeders to meet new competitive challenges in Speed / Accuracy / Reliability / Longer life.

With an intense market research & practical experience in metal stamping based on regular market interaction, We have brought a range of Pneumatic Feeders to suit your exact requirement and application. Working on customer relations management theory, we offer a complete package of problem solving solution. Our field experience staff can help in setting your complete line & can guide you to select the perfect equipments & tooling. **Jay Shanti Pneumatic Feeders** made from special alloy aluminium & are made in a modular way for automatic feeding of metallic & non metallic strips including paper, plastic, fiber, wires, tubing, extruded material. Technically advanced design, selection of finest material, combined with strict quality control manufacturing, has resulted in most reliable air feeds for Indian Tough Condition. Models available upto 600mm wide, 5mm thick, 600mm pitch / stroke length.



Light Series (LS)

Mid Series (MS)

Extra Mid Series (EMS)

Heavy Series (HS)

Light Series (LS)									
Model	Max Width in mm	Max Stroke Length in mm	Max Stroke Thickness in mm	Max Stroke Per Minute	Pressure of Fix Clamps Kg.	Pressure of Moving Clamps Kg.	Traction Force Kg.	Total Consumption CC/Stroke	Weight Kg.
LS 50 x 50	50	50	1	220	44	92	19	0.18	4.750
LS 100 x 50	100	50	0.5	200	44	92	19	0.18	6.750

Mid Series (MS)									
Model	Max Width in mm	Max Stroke Length in mm	Max Stroke Thickness in mm	Max Stroke Per Minute	Pressure of Fix Clamps Kg.	Pressure of Moving Clamps Kg.	Traction Force Kg.	Total Consumption CC/Stroke	Weight Kg.
MS 50 x 50	50	50	2.0	200	65	137	35	0.28	7.5
MS 100 x 100	100	100	1.8	140	65	137	35	0.56	11.5
MS 100 x 150	100	150	1.6	100	65	137	35	0.84	14.0
MS 150 x 50	150	50	1.8	140	65	137	35	0.28	10.5
MS 150 x 150	150	150	1.5	100	65	137	35	0.84	17.0
MS 300 x 100	300	100	0.5	80	65	137	35	0.56	23.5

Extra Mid Series (EMS)									
Model	Max Width in mm	Max Stroke Length in mm	Max Stroke Thickness in mm	Max Stroke Per Minute	Pressure of Fix Clamps Kg.	Pressure of Moving Clamps Kg.	Traction Force Kg.	Total Consumption CC/Stroke	Weight Kg.
EMS 100 x 100	100	100	2.5	140	65	137	40	0.77	18.5
EMS 150 x 150	150	150	2.0	100	65	137	40	1.54	23.0
EMS 225 x 200	225	200	1.2	80	65	137	40	1.73	30.0
EMS 300 x 300	300	300	0.5	60	65	137	40	2.31	37.0
EMS 400 x 100	400	100	0.7	80	65	137	40	0.77	42.5
EMS 600 x 100	600	100	0.5	60	65	137	40	0.77	51.0

Heavy Series (HS)									
Model	Max Width in mm	Max Stroke Length in mm	Max Stroke Thickness in mm	Max Stroke Per Minute	Pressure of Fix Clamps Kg.	Pressure of Moving Clamps Kg.	Traction Force Kg.	Total Consumption CC/Stroke	Weight Kg.
HS 100 x 100	100	100	4.0	100	126	757	120	2.2	39.0
HS 200 x 200	200	200	3.0	60	126	757	120	4.5	57.0
HS 300 x 300	300	300	2.0	40	126	757	120	6.75	76.0
HS 400 x 400	400	400	1.5	25	126	757	120	9.0	95.0

Air Pressure Required : 5 - 8 Bar

Note : Extra Mid Series & Heavy Series Feeders Due To Modular Manufacturing System Can Be Easily Modified To Bigger Feeding Lengths (100 / 200 / 300 / 400mm)

Technical specifications are indicative and subject to change to suit end application.

Special Features

- Accuracy $\pm 0.02\text{mm}$ to $\pm 0.04\text{mm}$ achieved in proper working conditions.
- Built in pilot release arrangement.
- 100% Additional Performance.

Infrastructure :

Jay Shanti continuously upgrades its infrastructure to match the latest in technological advancements. This includes the best manufacturing machines with the most accurate measuring instruments and techniques.

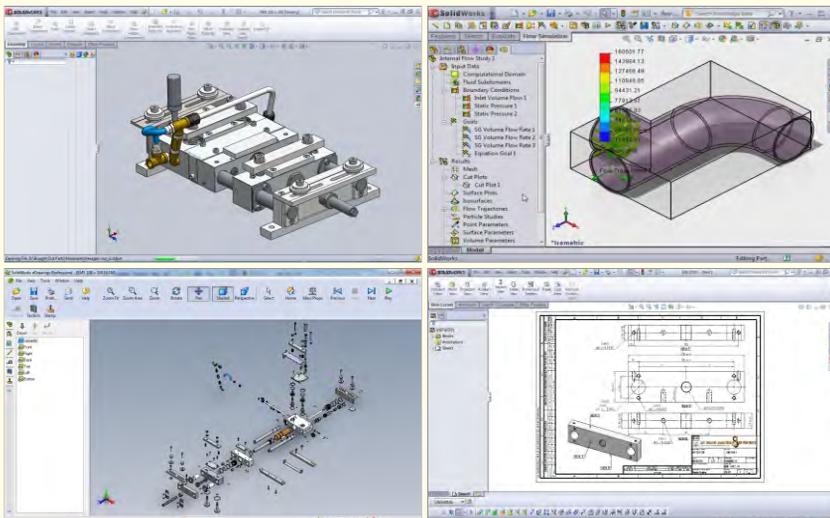
CNC Machines at our works include TAL 5-AXIS Vertical Machine Center & TAKISHAWA 4-AXIS Turn Mill Centre.



TAL 5-AXIS Vertical Machine Center with RENISHAW Work Piece Off Setting Device & RENISHAW Tool Setter



TAKISHAWA 4-AXIS Turn Mill Centre



Design

Jay Shanti uses latest softwares like **SolidWorks** to design, test against real world conditions & get the same into production quickly & efficiently.

Part Modelling & Detail Engineering Drawing is done using SolidWorks or AutoCAD.

Complete 3D assembling & interference checking is done using SolidWorks Assembly.

Detail Exploded View & e-Drawings Conversion (for customers) so that maintenance & required spares can be ordered without any downtime.

Detail FEA analysis is done using SolidWorks Simulation & Flow Simulation.

Optional Attachments



Thin Strip Guide
for feeding material from 0.1mm to 0.5mm



Cam, Proximity Sensor, Solenoid Valve, FRL, Tubing, Connectors, Shut Off Valve



Feeder with Plate type Stand
with manual x-y movement



Feeder with Universal Mounting Stand
with x-y movement to clamp feeder on press
& progressive tooling



Adjustable Cascade Rolls
for smooth material flow at feeder inlet



Control Panel
for Multistroking, Push Pull & Zig Zag Feeder application

Other Equipments



Pull through Wire Straightener



Pull through Strip Straightener

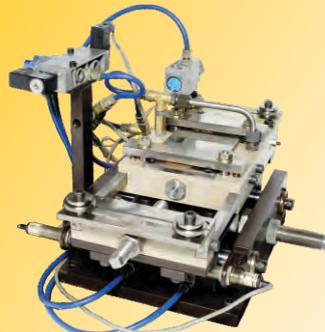


Feeder with Pneumatic Shear

Feeders for Different Applications



Extra Heavy Series Feeder
Along with Cascade Rolls & Trolley type height adjustable mounting stand



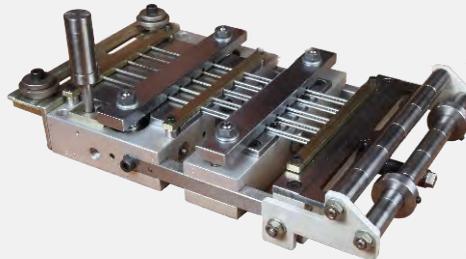
Zig Zag Feeder
To feed strip on single cavity tool for better material utilisation



Belt Guide
For feeding flimsy material & material below 0.1mm



Pneumatic Feeder
for Wad or Cardboard Material



Pneumatic Feeder
for Delicate Material



Pneumatic Wire Feeder



Push Pull Pneumatic Feeder



Pneumatic Feeder with 2 Pulling Cylinders & 2 Moving Grippers
for Heavy Thickness



Pneumatic Feeder
with Plate type Guide