

# **SAMADHAN INNOVATIVE SOLUTION LLP.**

**Explore Our Range of  
Swaging SPMs ...!**



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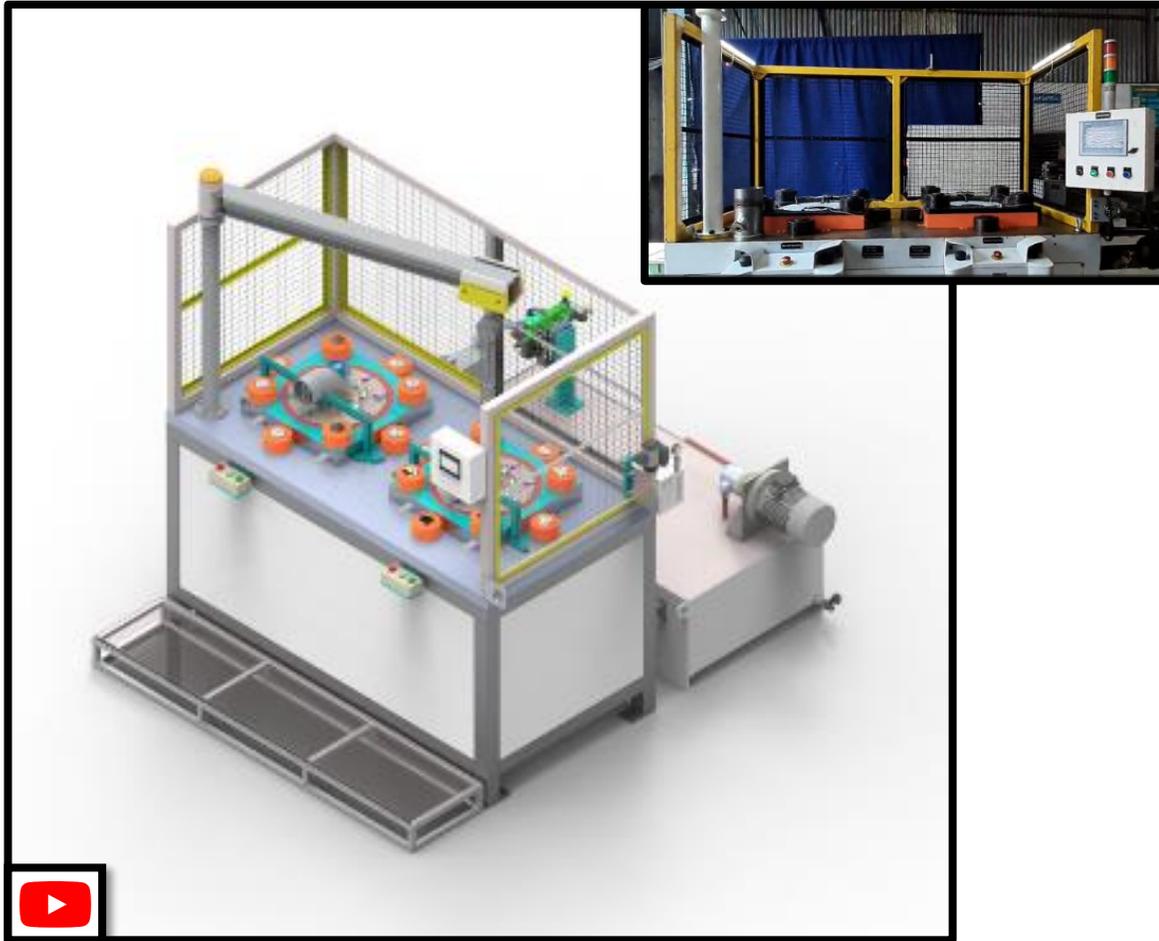
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## ID OD Sizing SPM



- This machine is designed to simultaneously Resize the ID and OD of the component.
- Ovality generated due to welding operations on the shell can be corrected.
- Total 4 hydraulic cylinders are used 2 for each station all of the hydraulic cylinders are used in closed loop system and feedback of motion is received through laser distance sensors the cylinders are controlled with a rapid feed valve system and position can be controlled in an accuracy of 200 microns.
- The machine is equired with a auto calibration device to ensure accuracy of distance feedback during long operations.
- Since tooling weight is about 40 kg thus the machine is also equipped with 500 kg crane.

Our  
Production.

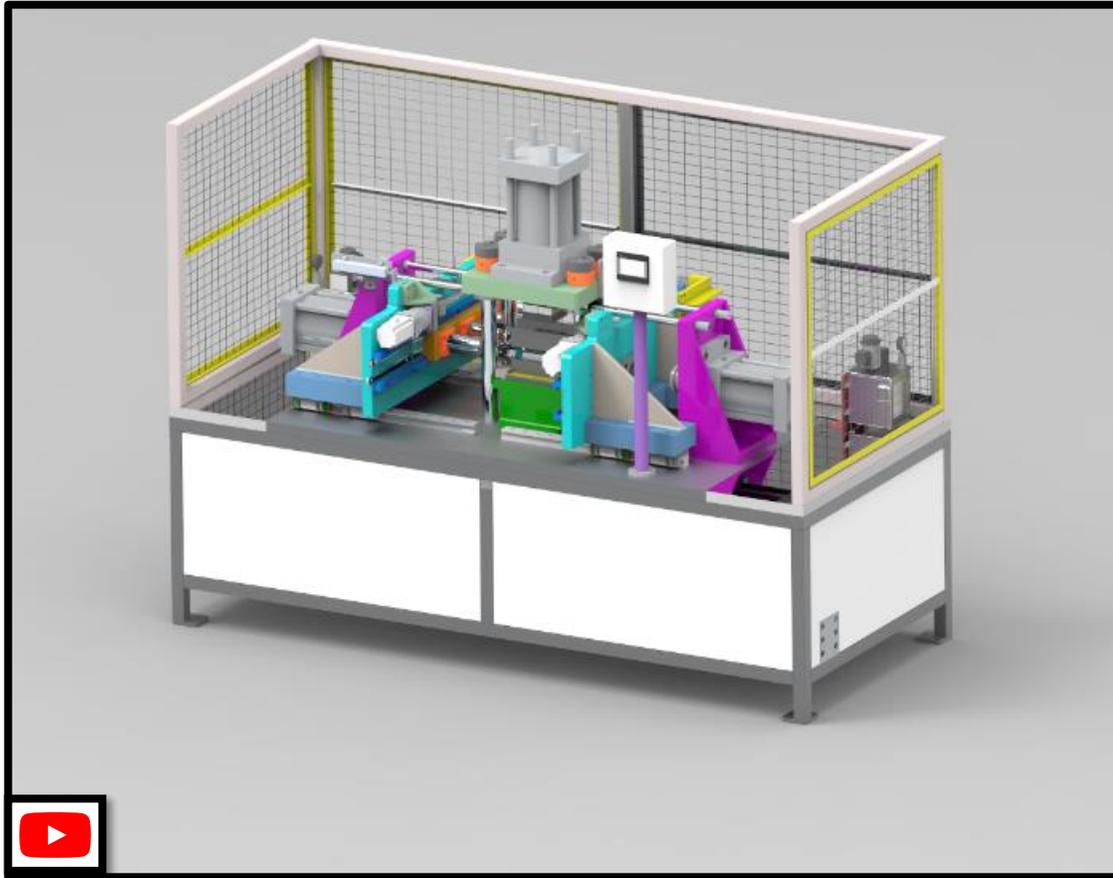
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## Multi Stage Header Tube Swaging SPM



- This machine has the capacity to flare a heavy pipe from both sides simultaneously with 100% accuracy to achieve a desired shape.
- Flaring will be done on 4 stages.
- Flaring will be done both sides at a time.



Our  
Production.

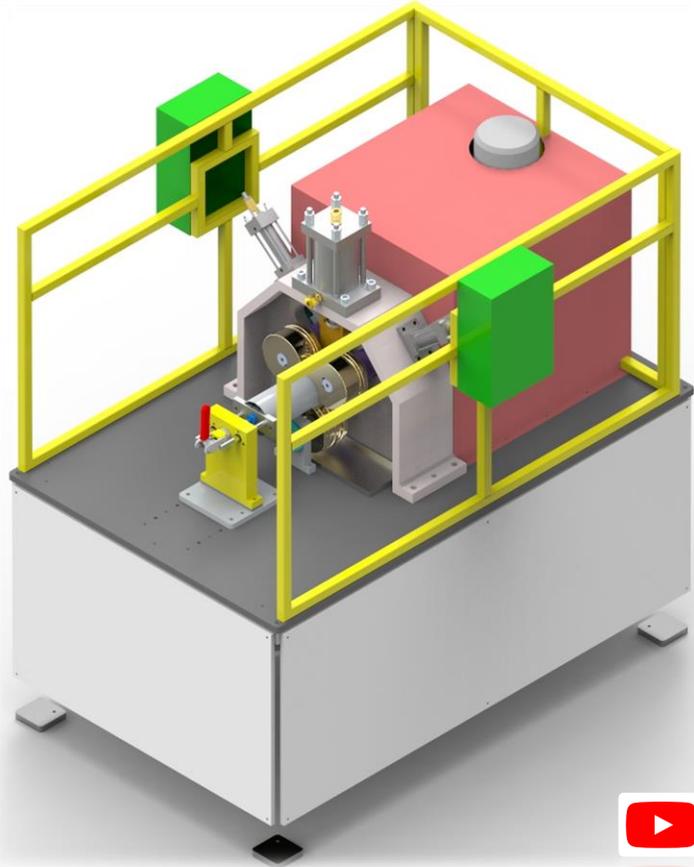
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## Pipe Forming SPM



- 3 roller Pipe Forming Machine
- Hydraulically controlled system.
- Pipe diameter range:  $\text{Ø } 50 \text{ mm}$  to  $\text{Ø } 90 \text{ mm}$ .
- Formed Diameter range: upto 9 mm per side.



Our  
Production.

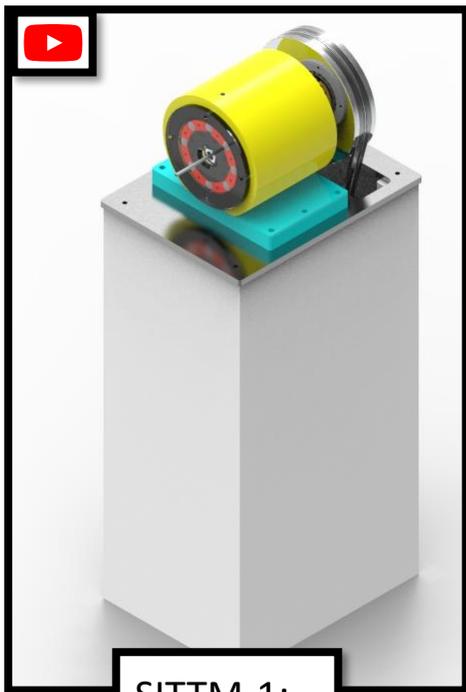
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## Tube Tapering Machines (rotary hammer Swaging )



SITTM-1:



SITTM-2/3:

- ⚙ Used for tapering of pipes and solids.
- ⚙ Specification with capacities are specified in upper table.
- ⚙ SITTM -1 does not have forced oil circulation system (can be supplied as additional sys).
- ⚙ Tapering length is specified in table and reduction can be achieved for unlimited length.

SR NO	MODEL NO	MAX. FORMING RANGE	MOTOR HP	FORMING SPEED	FEEDING METHOD	MACHINE SIZE	WEIGHT
1	SITTM-1	Ø12.7X50 MM	5	10-15 MM/SEC	MANUAL	430X330X1100 MM	350KG
2	SITTM-2	Ø25.4X100 MM	7.5	10-15 MM/SEC	MANUAL	900X800X1400 MM	1600 KG
3	SITTM-3	Ø50.8X200 MM	10	10-15 MM/SEC	MANUAL	900X800X1400 MM	1700 KG

Our Production.

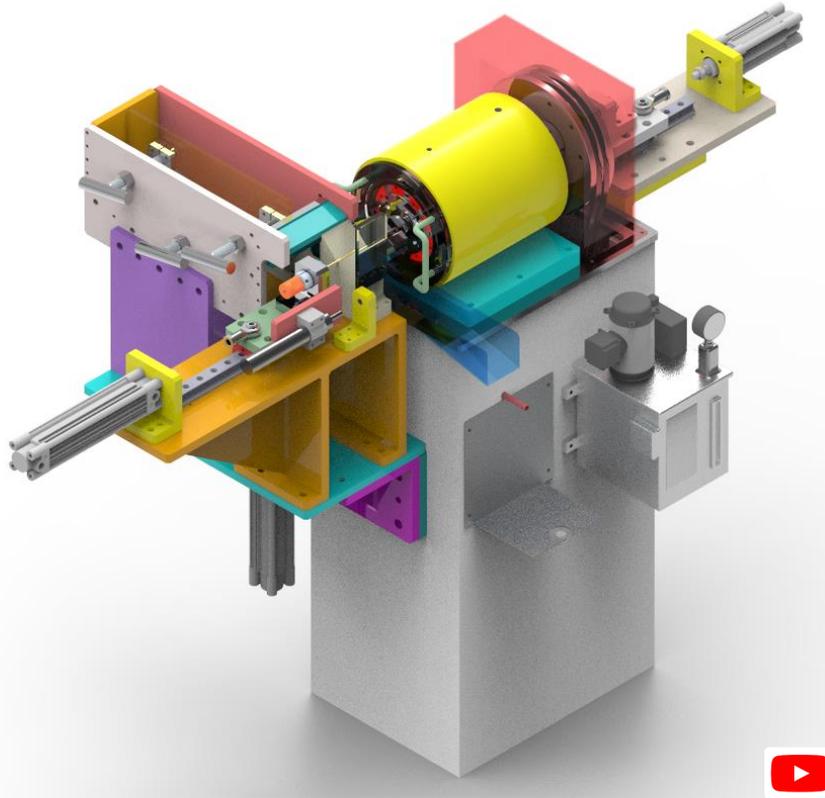
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## Auto Feeding Rotary hammer Swaging



- ⚙ Used for tapering of pipes and solids.
- ⚙ SITTM -1 does not have forced oil circulation system (can be supplied as additional sys).
- ⚙ Reduction can be achieved for unlimited length.



Our  
Production.

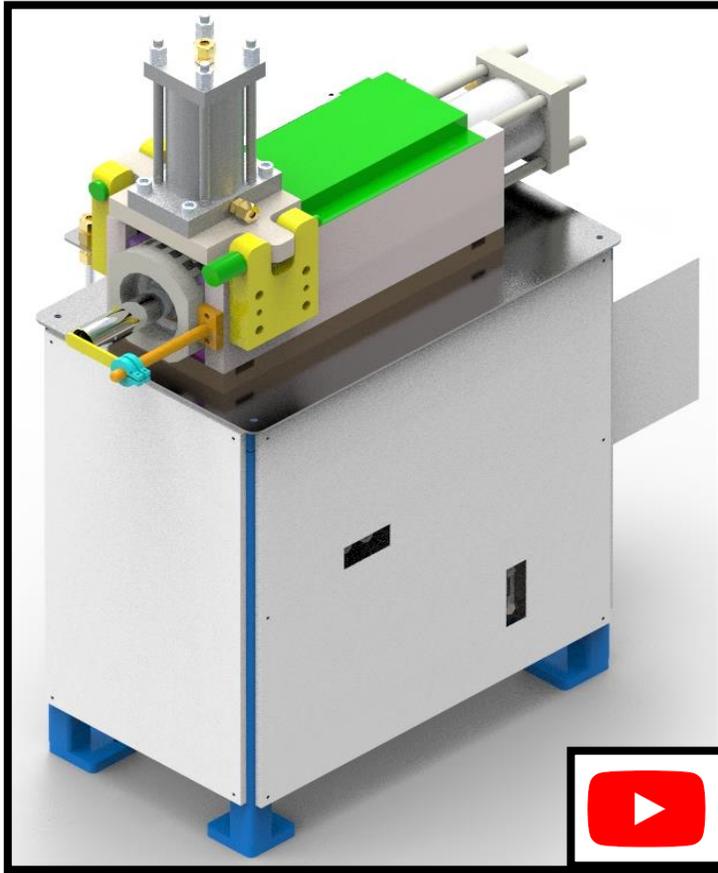
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## Pipe Swaging / Flaring / Beading SPM



- Pipe reduction as well as Pipe expansion can be done on the same machine.
- Minimum power consumption 3hp (5 hp and 7.5 hp variants are also available).
- Minimum floor space with inbuilt Power Pack .
- Positional accuracy of 50 $\mu$  can be achieved.
- Pipe diameter range for standard machine:  $\text{Ø}10$  mm to  $\text{Ø}76$  mm (Other variants can accommodate bigger pipe diameter).
- Reduction length from 10 mm to 80 mm.
- **\* Tooling can be altered as to meet final product dimensions.**

Our  
Production.

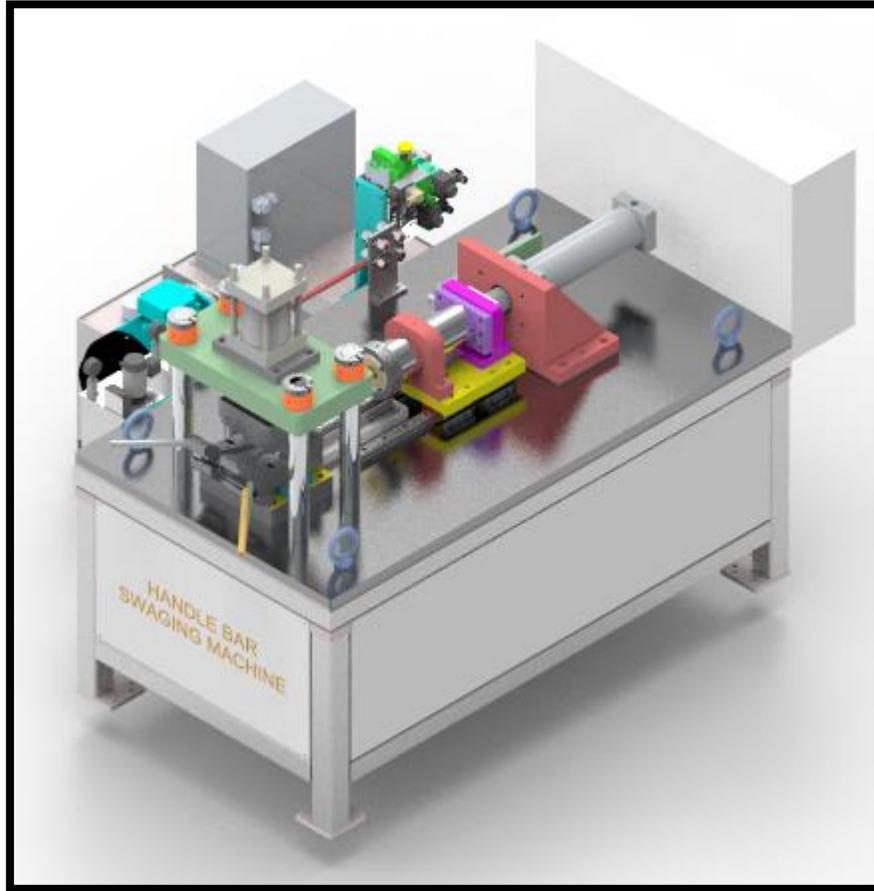
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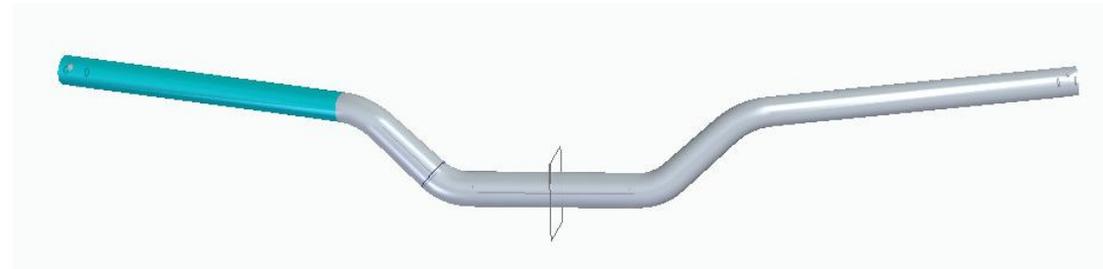


## Pipe Swaging SPM



- Pipe reduction as well as Pipe expansion can be done on the same machine.
- Pipe diameter range for standard machine: Ø10 mm to Ø25 mm and thickness up to 6mm (Other variants can accommodate bigger pipe diameter).
- Reduction length up to 350 mm.

**\* Tooling can be altered as to meet final product dimensions.**



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Production.

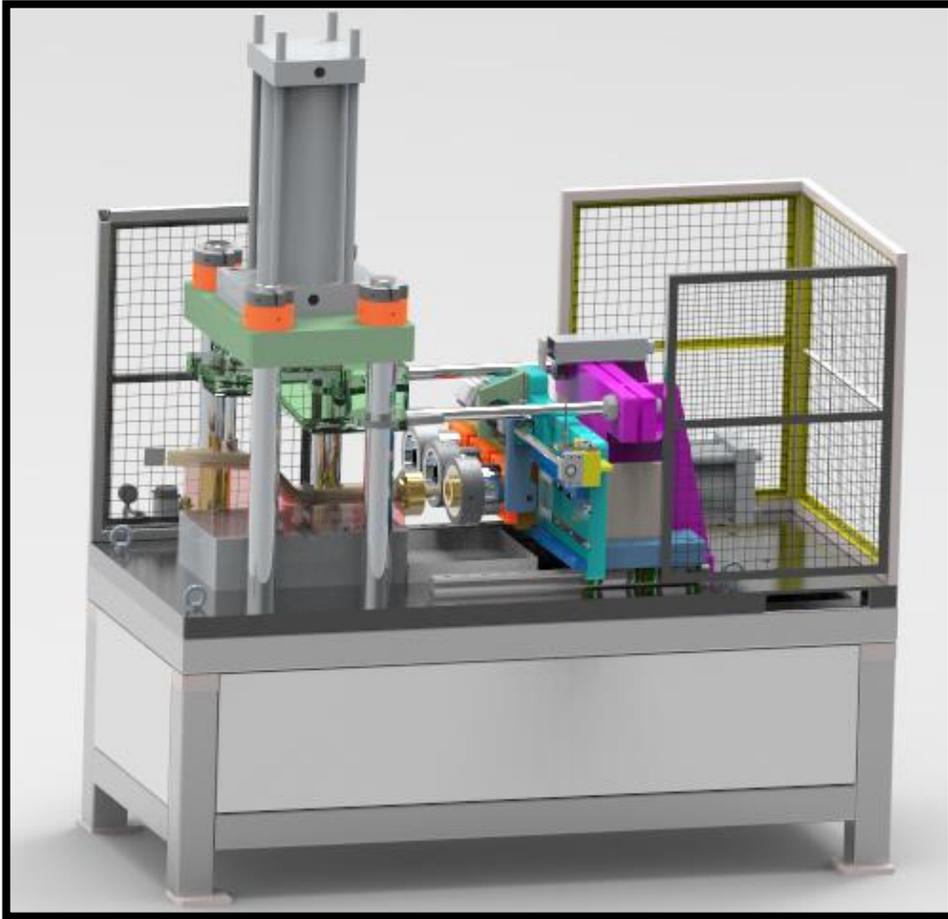
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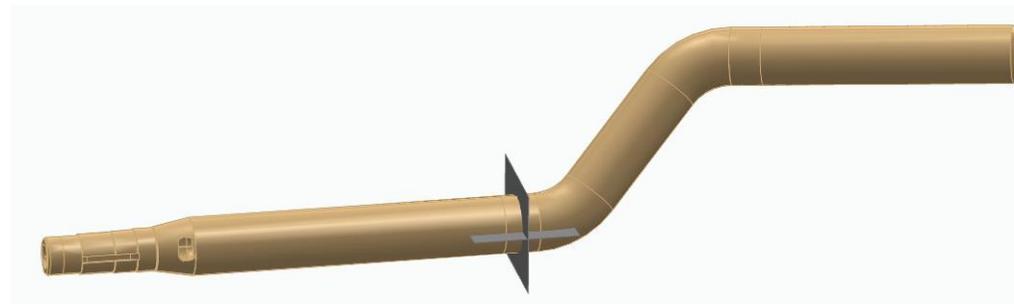


## Triple head pipe swaging SPM



- Pipe reduction as well as Pipe expansion can be done on the same machine.
- Pipe diameter range for standard machine: up to  $\text{Ø}43$  mm and thickness up to 7mm (Other variants can accommodate bigger pipe diameter).
- Swaging length up to 110 mm.

**\* Tooling can be altered as to meet final product dimensions.**



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## Our Customers:

