

SAMADHAN INNOVATIVE SOLUTIONS LLP.

**Production –
Few Components that we manufacture in batch quantities.**

**Innovative Solutions in Swaging,
Forming, and drilling Parts**



**We Specialize In Designing And Manufacturing Of High-
precision Components.**

SAMADHAN INNOVATIVE SOLUTIONS LLP.

Production – Pipe Beading (Forming profile)



Rolling(beading) Machine Operation Component.

Pipe OD Ø 60mm.

After rolling OD Ø 80mm.

After rolling Pipe length 72mm.

Pipe thik. 1.5mm.



Pipe OD Ø65.40mm.

Pipe thik. 1.50mm.

Beading 9mm

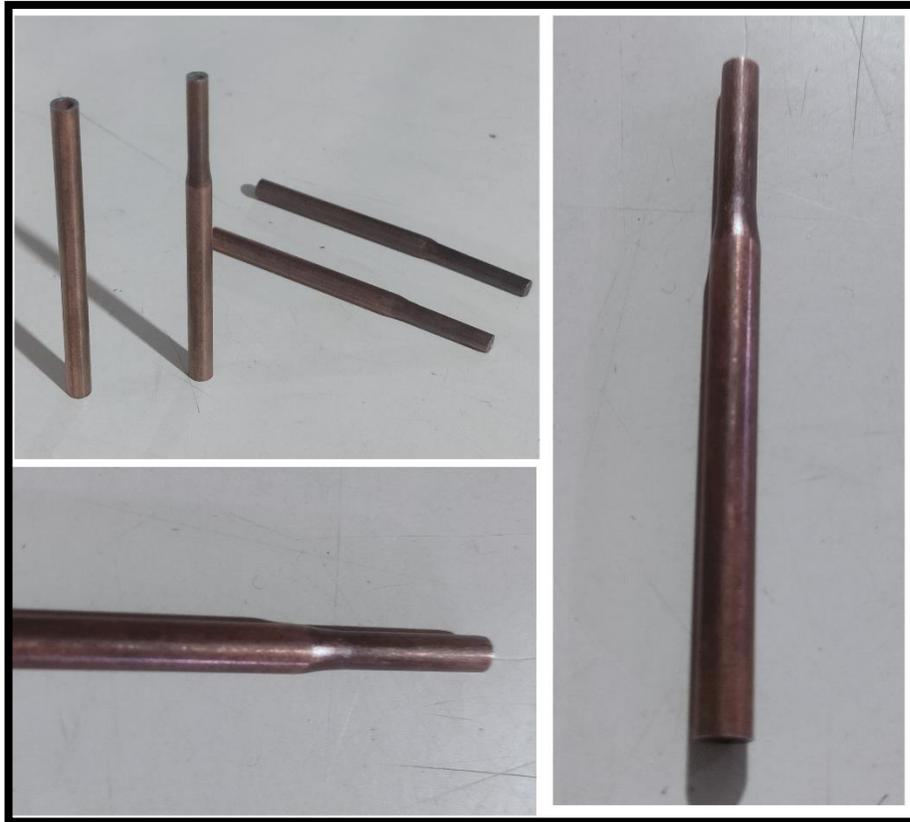
**Our
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**We are
Suppliers.**

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Production – Swaging



**Auto feeding Rotary swaging
Machine(Hammering pipe Operation)**

**Pipe OD Ø4mm
After sizing OD Ø 3.18mm
Pipe sizing length 16mm
Pipe Thik 0.5mm**

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Production – Ram Forming



**Ram forming swaging machine-
-pipe reduction
Tool- Gripper, insert, finger type
tooling(sizing ratio 5mm).**

**-pipe expansion:
Tool- Gripper, mandrill, finger type
tooling(sizing ratio 5mm).**

**Pipe OD Ø 44mm.
After sizing OD Ø 47mm.
Pipe sizing length 50mm.**

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Production – Pressing & Piercing



Special Purpose Machine-

After Rod length 107.70mm

Piercing hole IDØ 6.75mm

After press. Rod thik. 2.5mm.

Raw Material Coil type: (auto feeding)

- 1. de-coiler**
- 2. Horizontal/vertical straitening unit cross.**
- 3. Servo motor feeding**
- 4. Both end flattening**
- 5. Both piercing holes.**
- 6. Streaming.(cycle time 7sec.)**

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Production – Piercing



This component needs following SPM-

Press tool die:

- 1. Swaging SPM**
- 2. Flattening DIE (press m/c)**
- 3. Piercing DIE (press m/c)**

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Production – Pipe Swaging (reduction & expansion)



**Pipe OD Ø12.65mm
After sizing Pipe OD Ø9mm
Sizing length 24mm.**

- 1. Swaging SPM**
- 2. Bending SPM**

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Production – Threading



Rolling type Threading SPM.

Pipe threading M10:

**Pipe OD Ø12.7mm.
swaging OD Ø8.95mm
swaging Length 24mm.**

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Our Customers:

