

ALUMINIUM UTENSILS



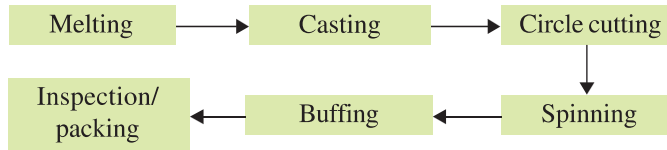
Production capacity/annum

300 M.T.

Production process

Melting of aluminium ingots and scrap & casting into slabs with the help of cast iron moulds to sizes. Slabs are pre-heated and then rolled to intermediate gauge sheets/plates in the hot rolling mill. Sheets of finally required gauge are obtained by re-rolling in the cold rolling Mill. These sheets are cut into the shapes of square blank or circles. Feeding circles to Press/Spinning. Pressing different items, spinning operation for different items and surface finishing, finally storing and despatch.

Process flow chart



Machinery & equipment required

- Screw press-50T
- Circle cutting machine
- Spinning lathe
- Drilling machine
- Grooving machine
- Buffing machine
- Fly press No. 3 & 4
- Working tools and Dies
- Spares

Raw material/consumables required

- Commercial grade Aluminium
- Aluminium Scrap

Utilities required

Power required(load)	:	25KW
Water required (per shift basis)	:	500 Liters

Manpower required

Supervisor	:	2 Nos.
Maintenance mechanic	:	1 No.
Furnace operator	:	1 Nos.
Rolling Mill Operator	:	2 Nos.
Spinners	:	3 Nos.
Skilled	:	3 Nos.
Unskilled	:	8 Nos.

Area required

Total Area	:	550 Sq. Mtr.
Covered Area	:	400 Sq. Mtr.

Investment required

Machinery & Equipment	}	₹ 93.10 Lakhs
Working Capital for 3 Months (Raw material, utilities & salary)		