



AREA

FUNCTION

Balling disc and Roller screen are essential pelletizing equipment used in metallurgical labs and industrial pelletizing facilities. Roller screens are designed to separate oversize and undersized pellets, ensuring uniformity and optimal size distribution through the pellet formation process. On the other hand, balling discs are rotating discs equipped with adjustable scrapers that agglomerate fine particles into spherical pellets through tumbling and rolling, promoting pellet growth and consistency.

Method:

- 1- Raw material is prepared.
- 2- The prepared material is evenly distributed onto the surface of the rotating balling disc.
- 3- The disc's speed, angle, and scrapers configuration are adjusted to achieve optimal pellet formation.

EQUIPMENT

LIST

No.	Equipment Name	Type	Specifications	Supplier
1	Balling Disc	Pilot scale	Dick Diameter: 800 mm Rotation Speed: Up to 27 rpm Disc Degree: Variable	FIMRC Iran
2	Roller Screen	Pilot scale	Roll Number: 25 Rolls' Distance: 9 mm & 16 mm Working Degree: 15 Degree	FIMRC Iran
3	Jar Mill (de-agglomerator)	Lab scale	Rotating: Up to 315 Mill Diameter: 125 mm Rubber Media: 24 No. (25 mm)	FIMRC Iran



Do not operate this equipment unsupervised



Counter rotating roll



High-visibility jackets must be worn



Eye Protection must be worn

