Rolling Mills

Materials:
- Steel
- Copper
- Lead
- Platinum
- Aluminum
- Superconducting
- Exotic Metals
- Precious Metals
- Ferrous
- Non-Ferrous

Applications:
- Research
- Bonding
- Mint
- Powder
- Rod
- Strip
- Sheet
- Plate
- Hot Rolling
- Cold Rolling

Mill Types:
- Two-High
- Four-High
- Tandem
- Lab
- Powder
- Three-High
- Custom
- Combination
- 2Hi/4Hi
- Upgrade & Remanufacture

High Speed Precision Strip Rolling Mills from FENN

For more than a century, FENN has been the leader in producing custom engineered rolling mills. Our wide range of standard and custom size mills serve a variety of rolling needs including heavy ingot breakdown, laboratory research and precision strip. FENN prides itself on working with each client to design a solution that best meets their specifications and production requirements. From initial design, to serving and supporting the mill, FENN has a full team of customer service managers, product managers, engineers and post sale support specialists to ensure your project’s success!
Rolling Mills For Every Requirement...

- **Two High**- Generally used for hot or cold breakdown and finishing of bar, sheet or strip. A wide range of sizes with separating force capacities from 10,000 lbs to over 3,000,000 lbs are available.

- **Four High**- For finish rolling of extremely thin gage stock and heavy reductions on nominally thin gage material and precision tolerances. Six-High roll inserts are also available for narrow width ribbon and foil products.

- **Combination**- A versatile “two-in-one” type that permits both two-high and four-high rolling in a single mill.

- **Tandem**- For multiple pass rolling combining two or more mill stands, often used with FENN Turks Heads, Edgers, Dancers, Inter-Stand Tensiometers, Payoff and Take-up Equipment.

- **Laboratory**- Specially engineered to meet the critical and versatile requirements of metallurgists and scientists in the research and university fields as well as pilot line development.

- **Horizontal**- Designed for the field of powdered metallurgy.

- **Three High**- A desirable type of mill for rod and ingot breakdown when an economic solution is essential.

- **Special**- For those clients who have new or unique rolling applications, FENN product experts are happy to develop customized solutions.

- **Accessories**- A complete offering of material handling, processing, gauging and labor saving accessories are available for all FENN Rolling Mills.

www.fenn-torin.com
A software package will be developed by our expert staff for your FENN rolling mill. The software used in the operator HMI will enable key functions such as:

- Displaying separating force
- Setting mill direction
- Setting mill speed
- Setting roll gap
- Setting pass schedules
- Thickness gauging
- Diagnostic screen

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FENN Rolling Mills are available for any application up to 1.5 million Kgf separating force.

**Mills have been produced in a variety of sizes:**
- Minimum Size: 3” diameter rolling mills for various research facilities and universities
- Maximum Size: 30” diameter rolling mills for large strip

**Typical features available on FENN mills:**
- Automatic gauge control on coil to coil applications
- Data acquisition system
- Automatic pass scheduling
- Asymmetric rolling
- Motorized conveyer tables
- Built in roll change rig
- Drive shaft support system
- Interlock safety guarding

**Roll adjustment options include:**
- Mechanical
- Electro-mechanical
- Hydraulic

**Industries Served**

FENN Rolling Mills are utilized every day in a wide variety of industries including the following:

- Materials Research
- Aerospace
- Consumer
- Automotive
- Renewable Energy
- Military