

## — FEROFORM ROLLERS FOR ROLLING MILLS —

**TENMAT** specially developed FEROFORM rollers for hot and cold applications as a superior replacement for both steel and polyurethane rollers.

FEROFORM rollers increase revenues for users as they are non-marking to protect metal quality. Materials costs are reduced as FEROFORM rollers have an increased operating temperature, and last longer than rubber and PU. FEROFORM rollers also avoid costly plant downtime by being maintenance-free.

The unique blend of finely-woven high-performance fibres builds an extremely tough, smooth, and resilient roller.

FEROFORM rollers are successfully used by many leading manufacturers around the world.

FEROFORM rollers avoid the frequent replacement of polyurethane and rubber rollers. Installing FEROFORM rollers eliminates the time-consuming grinding and cleaning of production lines which is associated with metal rollers.



### Customer Benefits

- Protect the surface quality of products
- Reduce production costs
- Reduced downtime
- No marking of metal strip
- Longer life compared to rubber and PU
- No pick up of contaminants
- High resistance to elevated temperature

### Selected References:

- Aleris Rolled Products
- Novelis
- Hydro Rolling Group
- Elval Hellenic
- South Korea's largest foil mill
- EU's largest flat steel products mill
- EU's leading annealing furnace OEM



Mill Location	Industry	Area	Roller Position
Germany	Aluminium	Hot rolling	Hot table rollers
Switzerland	Aluminium	Hot rolling	Hot table rollers
USA	Aluminium	Cold rolling	Tensioning rollers
Greece	Aluminium	Hot rolling	Hot table rollers
Norway	Aluminium	Cold rolling	Deflector roller
Italy	Aluminium	Hot rolling	Hot table rollers
Oman	Aluminium	Hot rolling	Hot table rollers
Germany	Aluminium	Hot rolling	Sliding plates and bearings
China	Carbon Steel	Cold rolling	Entrance rollers annealing furnace
Russia	Aluminium	Cold rolling	Ironing roller on coiler unit
South Korea	Aluminium	Cold rolling	Ironing roller on coiler unit

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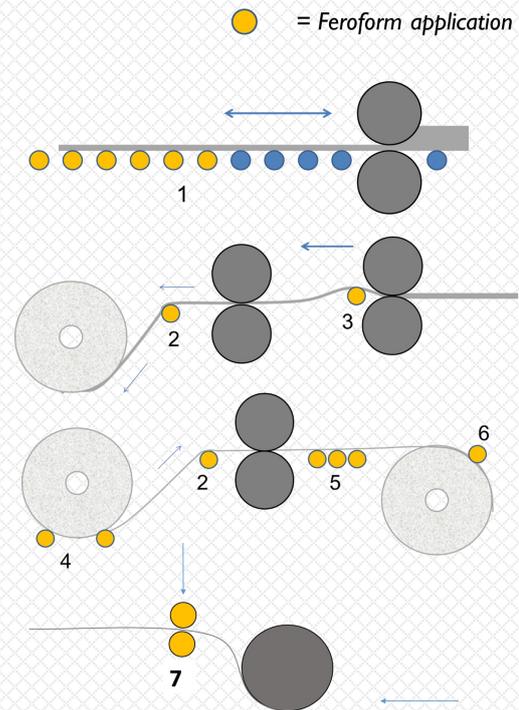
## Typical Successful Applications

**Install into any roller position, which requires FEROFORM roll surface to:**

- (a) have anti-scratch properties
- (b) protect surface quality of product
- (c) withstand high contact temperatures
- (d) withstand high levels of abrasion / wear

### **This includes:**

1. Hot rolling table rollers (non-ferrous only)
2. Deflector roller
3. Tensioning roller
4. Coil support rollers
5. Strip support rollers
6. Ironing roller
7. Nip roller
8. Furnace entry rollers
9. General transport rollers



PROPERTY	UNITS	F57
Maximum Continuous Operating Strip Temperature	°C	500
Compressive Strength	MPa (Ambient)	380
Compressive Yield	% at 68.9 MPa	1.75
Impact Strength	kJ/m <sup>2</sup>	63
Hardness	Shore D	90