



## **V+ COIL SPOOLER**

### VERTICAL SPOOLING OF BARS

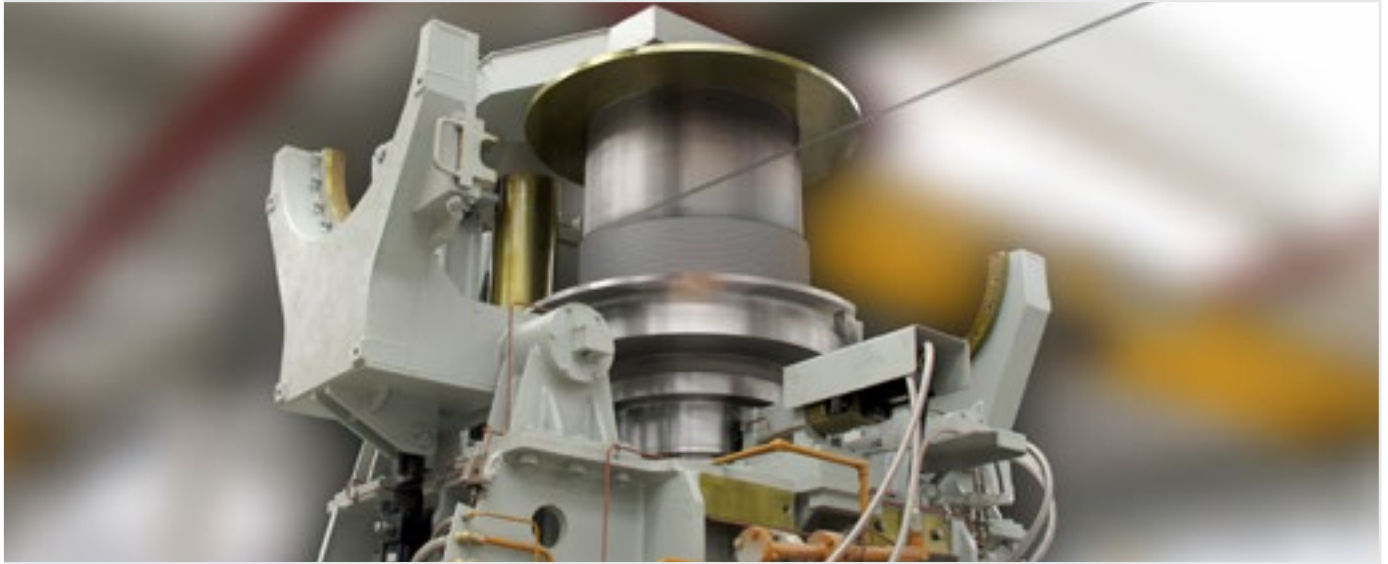
The V+ Coil spooling of bars is an effective alternative to Garret installations, when dense and compact coils are required with a superior efficiency of operation. The higher speed increases the productivity, while the ordered coil shape greatly simplifying the post-rolling operation, as well as the logistics. It is a cost-effective choice to enlarge the portfolio with new products.

#### **FIELD OF APPLICATION**

Rolling mills for long products

#### **MAIN BENEFITS**

- high filling factor
- high productivity
- controlled tension during winding results in twist-free coil, for easy de-coiling operation
- simplified storage and transportation
- variable outer diameter for coil weight adjustment
- shorter height of the coil for a given weight



### MAIN FEATURES

The V+ Coil spooler orderly winds bars around a vertical axis drum, to obtain a regular, compact and homogeneous coil. The spooled coil has fixed height and inner diameter, while its outer diameter is variable according to the desired weight. Coiling takes place under tension and results in a twist-free operation, which greatly simplifies the decoiling operation. The V+ Coil process is applicable to common steel grades as well as to quality steels requiring a downstream descaling. It is also an ideal complement to billet welding, in order to obtain compact large coils from small billets.

### TECHNICAL DATA

Max rolling speed	35 m/s
Coil filling factor	0.6-0.9
Minimum coiling temperature	400 °C
Inner coil diameter and height	850 mm
Outer coil diameter	variable with weight
Round spoolable diameter	8-32 mm
Max coil weight	5 t
Height reduction vs Garret	30% (2 t coil)

### SIMPLE LAYOUT AND EASY MAINTENANCE

The V+ Coil layout can be configured to fit existing bar installations, with minimum impact on layout footprint. The vertical arrangement simplifies the coil handling with fewer manipulations. The strapping station is integrated with the conveyor, reducing the civil works requirements. The components are engineered with concepts of simple design and ease of maintenance.

### REFERENCES

- Evraz, Russia
- Cevital, Algeria

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Order No. T06-O-N548-L2-P-V2-EN  
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