

BCM Machine has successfully proven to be a state of the art technology within the last 16 years!

VINCENT INDUSTRIE's (VI), worldwide known equipment perfectly combine performance, quality and price.



Bar Crimping Machine – ROEBEL (BCM)

The BCM machine has been designed for your manufacturing projects of copper bars for power generators



Quality

VI machines take into account the industry's most drastic reliability regulations.

With VINCENT INDUSTRIE, you will benefit from our products quality, all the expertise of a specialized machinery company and our 35 years extensive know-how in the field of industrial processes.

Performance

VI designs only top technology equipment and constantly updates innovating features to our new machines. A token of reliability and performance only VI can assure.

Reliability

Top energy market leaders rely on with over 300 hundred machines all around the world. VI can also take care of installing equipment, training your employees and maintaining all our products in order to ensure an optimal usage.

This machine robustness is a guaranty of longevity.

Flexibility

Every VI machine is adaptable to better suit our client's needs and to perfectly incorporate into your workshop.

BCM Machine

It is the 1st link in the chain of an automated manufacturing line for power generator bars. Manufacturing process automation increases precision and productivity in addition to a far better production control at every step.

Functioning

A ROEBEL bar is assembled in two steps: Wire preparation (1) and Bar Manufacturing (2)

- (1) Derolling, straightening and stripping
- (2) Driving, cutting at length and crimping

Main advantages

- Motorized derolling to avoid conductor extreme tightening in order to preserve its quality intact;
- Entirely automated transposition for highest flexibility (change parameters/model) without losing accuracy;
- Pulling carriage connected to the STM traction unit for a faster derolling even for long wires;
- Each press has 2 toolings for less tooling changes for large scale manufacturing;

SPECIFICATIONS

Dimensions

Machine type		5360	12540	14900
Installed (L x l x H)	[m]	14,5 x 4,7 x 3,3	23 x 5,9 x 3,3	27,5 x 5,9 x 3,3

Technical specifications

Conductor thickness	[mm]	1 – 4	1 – 4	1 – 4
Conductor width	[mm]	4 – 15	4 – 15	4 – 15
Conductor length	[m]	2 – 5	2 – 12	2 - 14
Stripped length on each end	[mm]	60 – 500	60 – 500	60 – 500
Stripping speed	[mm/s]	50 – 140	50 – 140	50 – 140
Fast moving speed	[mm/s]	100 – 1400	100 – 1400	100 – 1400
Number of conductors / Max conductors stacking per ½ bar	[] / [mm]	80 / 300	80 / 300	80 / 300
Transposition (Possibility to do nonstandard 300° and 900°)	[°]	180° – 360°	180° – 360° – 540°	180° – 360° – 540° 720° – 900°
Cycle time	[s]	25	30	35
Average adjustment time	[min]	15	20	25
Minimum crimp gap			2.0 mm pour L ≤ 7 mm 2.2 mm pour L > 7 mm	
Twisted area length	[mm]	450 – 4 100	450 – 11 100	450 - 13 100
Minimum evolute length	[mm]	450	450	450
Weight	[T]	10	25	30
Roll (∅ ext / ∅ int / ∅ axis)	[mm]	1000 / 300 / 38-50	1000 / 300 / 38-50	1000 / 300 / 38-50
Roll width Min – Max	[mm]	120 – 300	120 – 300	120 – 300
Roll weight Max	[kg]	500	500	500

Main definition

Stripping		
Twisted area		
Crimp & bridge		

CONTACT

WEB: www.gemo-tec.com
E-MAIL: info@gemo-tec.com

GEMO-TEC LTD

Rothusstrasse, 23
CH-6331, Hünenberg, Switzerland

