HBFM-110 Machine has successfully proven to be a state of the art technology within the last 13 years!
VINCENT INDUSTRIE's (VI), worldwide known equipments perfectly combine performance, quality and price.

Hydro Bar Forming Machine 110x30 (HBFM)

The HBFM 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 beneficiate 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.

HBFM
It is the 3rd 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
Once a bar has been formed and insulated, it can be installed in a stator slot of a generator. The HBFM-110 is capable of forming Hydro or Motor Bars in X, Y and Z axis with 7 different and extremely accurate shaping movements. Bars dimensions are established conforming to your requirements.

Main advantages
- Ability to manufacture any kind of Hydro or Motor bars ;
- Speed of execution, 3 min for forming the two bar extremities;
- Wide range of bar design, due to its ability also to incurve evolvent parts of the bar with an optional software.

V2.3 – June 2014

CONTACT
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GEMO-TEC LTD
Rothusstrasse, 23
CH-6331, Hünenberg, Switzerland

SPECIFICATIONS

Dimensions

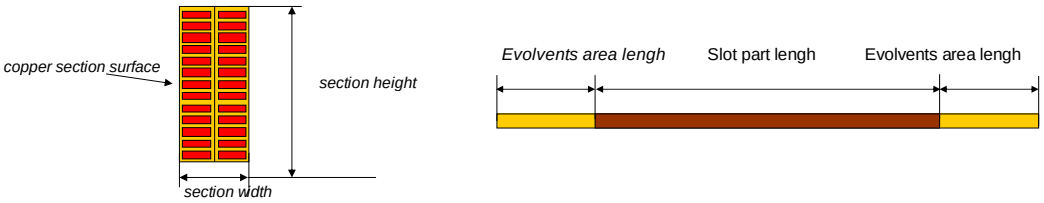
Machine (Example)		5000	7000
Installed (L x W x H)	[m]	13 x 8,0 x 5,5	15 x 8,0 x 5,5

Technical specifications (Min – Max)

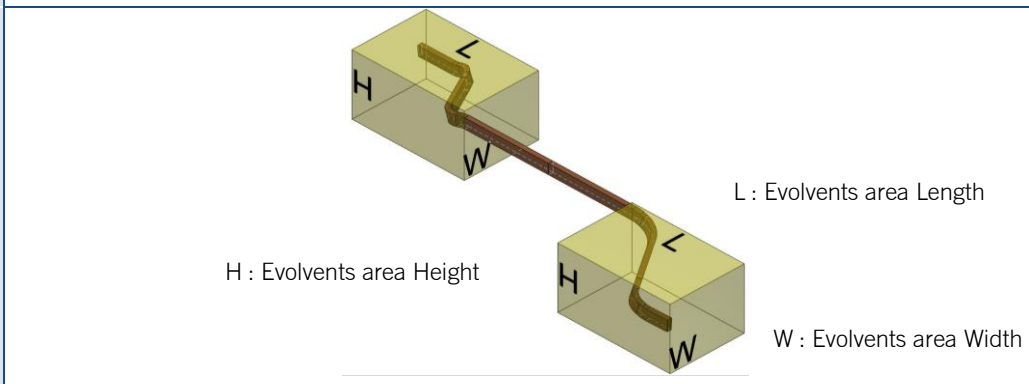
Section height (H)	[mm]	30 - 110	30 – 110
Section width (W)	[mm]	10 - 30	10 – 30
Copper section surface	[mm^2]	300 - 3300	300 - 3300
Tool radius	[mm]	30 – 100	30 - 100
Bar length (L)	[mm]	1700 – 5000	1700 – 7000
Slot part length *Simultaneous forming*	[mm]	1200 - 4500	1200 – 6500
Evolvents area length (L)	[mm]	120 – 600	120 – 600
Evolvents area width (W)	[mm]	130 - 650	130 – 650
Evolvents area height (H)	[mm]	30 – 450	30 – 450
Cycle time	[min]	6	6
Average adjustment time	[min]	5 – 30	5 – 30
Weight	[T]	16	17

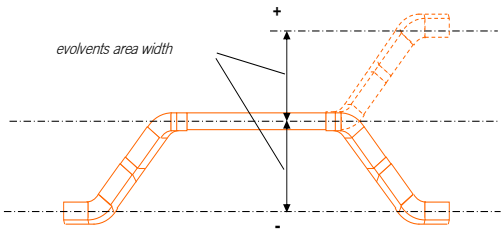
Main definition

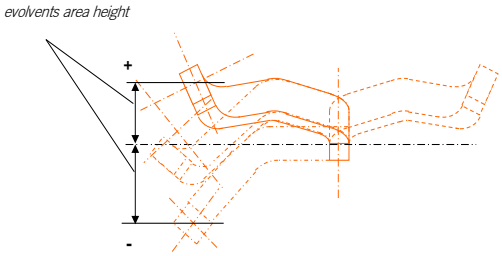
Section and stripping



Evolvents area







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