*PCFM Machine has successfully proven to be a state of the art technology within the last **15 years**!*
VINCENT INDUSTRIE's (VI), worldwide known equipments perfectly combine performance, quality and price.

Pneumatic Coil Forming Machine 35x20 (PCFM)

The **PCFM** machine has been designed for your manufacturing projects of copper coils for power and traction motors

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.

PCFM Machine
It is the 3rd link in the chain of a semi-automated manufacturing line for power and traction motors (AC/DC). This machine offers an excellent ratio Quality/Price for customers willing to form small coils.

Functioning
Designed for manufacturing coils, user needs to load the coil and then to start the shaping cycle driven by pneumatic cylinder.

Main advantages
- Price and low surface needed;
- Coils quality for a semi-automatic equipment ;
- Ability to manufacture a wide range of products for a maximal length of 2 m;
- Ability to manufacture very small coils (slot part of 100 mm);
- With Frog option, ability to manufacture any kind of coils.

V4.4 – June 2014

CONTACT
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E-MAIL: info@gemo-tec.com

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

SPECIFICATIONS

Dimensions

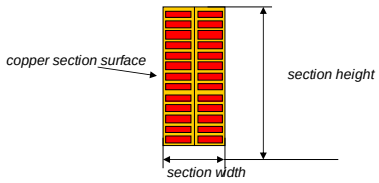
Machine (Example)		2000	2000 CSL	2000 CSL-G
Installed (L x W x H)	[m]	5 x 3,8 x 2,2	5 x 3,8 x 2,2	6,3 x 3,8 x 2,2

Technical specifications (Min – Max)

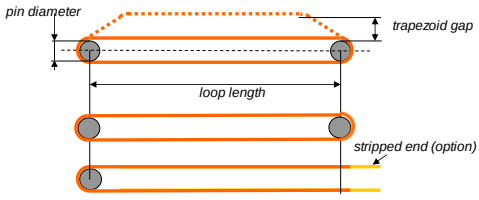
Section ($H_{Min-Max}$ x $W_{Min-Max}$)	[mm]	(10 – 35) x (5 – 20)	(7 – 35) x (5 – 20)	(7 – 35) x (5 – 20)
Copper section surface	[mm^2]	50 – 600	50 – 600	50 – 600
Ø $_{Min–Max}$ PIN / extremity radius	[mm]	12 – 30 / 8 – 30	12 – 30 / 8 – 30	12 – 30 / 8 – 30
Slot part radius	[mm]	8 – 30	8 – 30	8 – 30
Trapezoid gap	[mm]	0 – 180	0 – 180	0 – 180
Loop length	[mm]	450 – 2000	200 – 2000	200 – 2000
Slot part length	[mm]	350 – 1400	100 – 1400	100 – 1400
Top / Bottom angle	[°]	5 – 70 / 5 – 70	5 – 70 / 5 – 70	5 – 70 / 5 – 70
Eye angle	[°]	0 – 20	0 – 30	0 – 30
Top / bottom connection angle	[°]	-	-	0 – 30 / 0 – 30
Total angle between connections	[°]	-	-	0 – 180
Connection ($W_{Min-Max}$ x $H_{Min–Max}$)	[mm]	-	-	(50 – 200) x (50 – 220)
Coil ($L_{Min-Max}$ x $H_{Min–Max}$)	[mm]	(480 – 2000) x (32 – 300)	(200 – 2000) x (32 – 300)	(200 – 2000) x (32 – 300)
Coil (Width 1) with angle <36°	[mm]	55 – 500	55 – 500	55 – 500
Coil (Width 2) with angle = max value	[mm]	115 – 600	115 – 600	115 – 600
Cycle time	[sec]	60	60	90
Adjustment time	[min]	20 – 90	20 – 90	20 – 90
Weight	[T]	2,6	2,6	3

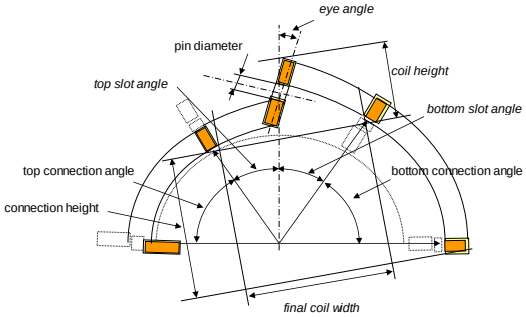
Main definition

Section

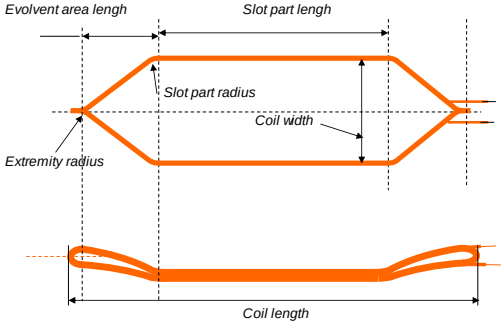


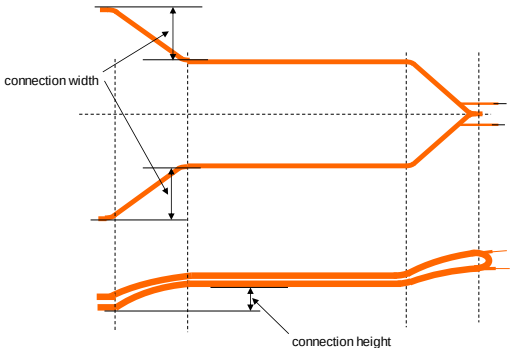
Angles and diameter





Coils





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MADE IN EUROPE