

OPERATING UNITS

EAGLE™ Pad

- . Robust and reliable
- . Economical standard solution
- . Proven technology
- . Ergonomic design, intuitive operation



SmartPad™

- . Openly programmable
- . Wireless connection
- . Touchscreen with all important information at a glance



The EAGLE™ Pad and SmartPad™ operating units are intended for use with the entire Pantec controller range. Enclosed in a rugged yet lightweight housing, these operating units offer exceptional performance, ergonomic design and high functionality – even under challenging operating conditions like the shop floor.

EAGLE™ Pad – hand terminal for CMMs

Unquestionably in Command. With the robust and reliable EAGLE™ Pad units. With its proven technology, ergonomic design and intuitive operation, EAGLE™ Pad is the economical standard solution for CMM operations.

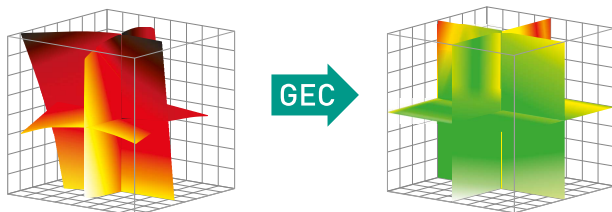
SmartPad™ – remote control for CMMs

In Command. Easily. With the new SmartPad™ units from Pantec. These devices provide multi-functional and comprehensive CMM operation with user-friendly wireless connection. Thanks to the open programmability of the SmartPad™ you can program the user interface, functions and interactions with the CMM software to meet your individual needs. The capacitive 4.3" color LCD display shows all information at a glance, and features single touch technology that ensures smooth and easy operation, even with gloves on. With optimal functionality, SmartPad™ ensures ideal measurement processes.

TECHNICAL DATA

	EAGLE™ basic	EAGLE™ pro/3	EAGLE™ pro/4	EAGLE™ pro/4 HP
Specifications				
▪ Configured for direct CNC controlled CMMs	✓	✓	✓	✓
▪ Number of CMM axes controlled	3	3	4	4
▪ Communications link with PC	Ethernet and RS232	Ethernet and RS232	Ethernet and RS232	Ethernet and RS232
▪ Direct Software integration	EAGLE.driver	EAGLE.driver	EAGLE.driver	EAGLE.driver
▪ Integrated motor power supply	✓	✓	✓	✓
▪ Touch-trigger probing function	✓	✓	✓	✓
▪ TP200 interface (with Head interface)	✓	✓	✓	✓
▪ SP600 interface (with Option Board)	-	✓	✓	✓
▪ SP25M interface (with Option Board)	-	✓	✓	✓
▪ SP80 interface (with Option Board)	-	✓	✓	✓
▪ Temperature sensor inputs (T-Bus™)	16 (with Head interface)	16	16	16
▪ Digital scale input RS422	✓	✓	✓	✓
▪ Pantec Support Tool	✓	✓	✓	✓
▪ Emergency stop	✓	✓, extended	✓, extended	✓, extended
▪ Measurement volume	X + Y = 3800mm and Z = 800mm	unlimited	unlimited	unlimited
▪ Subcount interpolation	✓	✓	✓	✓
▪ Drive power	4A / 60 V	5A / 60 V	5A / 60 V	5A / 120 V
▪ Motor types	DC-Brush	DC-Brush	DC-Brush	DC-Brush
▪ GEC (Geometric Error Compensation)	✓	✓	✓	✓
Electrical data				
▪ Nominal input power	550 VA	550 VA	550 VA	1100 VA
▪ Input voltage	115 VAC / 230 VAC	115 VAC / 230 VAC	115 VAC / 230 VAC	115 VAC / 230 VAC
Physical data				
▪ Dimension (L x H x D)	490 x 90 x 380 mm	490 x 135 x 380 mm	490 x 135 x 380 mm	490 x 135 x 380 mm
▪ Weight	10 kg	20 kg	20 kg	25 kg
▪ Rack mounting	19"	19"	19"	19"
Product Configuration			230 VAC	115 VAC
▪ EAGLE™ basic	3 axis CMM controller		34607	34608
▪ EAGLE™ pro/3	3 axis CMM controller		34605	34606
▪ EAGLE™ pro/4	4 axis CMM controller		34609	34610
▪ EAGLE™ pro/4 HP	4 axis CMM controller		34611	34612
Options				
▪ SP25/600 Interface	33506			
▪ SP80 Interface	33507			
▪ TP200 Interface	34478	No scanning probes		
▪ Analog Interface	34480			
▪ Analog Scanning Interface	34481			

GEOMETRIC ERROR COMPENSATION (GEC)



GEC involves the compensation of inherent geometric and thermal errors of CMMs. To actively maintain CMM accuracy,

GEC adds dynamic temperature monitoring and compensation into the Pantec controller. For convenience and ease of use, the entire compensation procedure is done through the Pantec Support Tool tuning and analysis software. The GEC Wizard incorporates the calibration laser and the machine type to add optimum flexibility in error capture, correction, and validation of results. An efficient design with minimal clicks offers a high level of operational convenience, while ensuring that the 21 or 23 parameterized compensation values cover virtually all possible scenarios. Understanding the importance of this feature, Pantec has chosen to include and standardize the GEC software package as an added-value benefit of the EAGLE™ controller.



Pantec Metrology, located in Ruggell, Liechtenstein, develops technologies that make CMM and vision systems more competitive. With an installed base of more than 15,000 CMM controllers worldwide, the company plays a leading role in the field of CMM machine control. Pantec Metrology is a Business Unit of Pantec Engineering AG.

HQ/International
Pantec Engineering AG
 Industriering 21
 9491 Ruggell
 Principality of Liechtenstein
 Phone +423 377 13 33
 Fax +423 377 13 34

China
Pantec (Shanghai) Co., Ltd.
 128 Shenfu Road; Building Nr. 18
 Xinzhuang, Industry Park
 201108 Shanghai, China
 Phone +86 21 517 60 282
 Fax +86 21 517 60 281



Pantec Engineering AG provides solutions in automation and mechatronics for the mechanical engineering and medical device industries worldwide. Through its rigorous focus on niche strategies and high degree of service orientation, the company has become a world leader in its five primary markets.

Switzerland
Pantec GS Systems AG
 Heldswilerstrasse 13
 9214 Kradolf
 Switzerland
 Phone +41 71 644 98 98
 Fax +41 71 644 98 99

info@pantec.com
www.pantec-metrology.com