

TRAK[®] MACHINE TOOLS



SOUTHWESTERN INDUSTRIES, INC.

June 6, 2012

Electrical Certifications

Revised: July 30, 2018, May 30, 2019

To help with sales in heavily regulated environments, we have provided for the engineering and the on-site inspection necessary to obtain electrical certifications that meet the following:

- UL508A – Standards for Industrial Control Panels (our electrics box)
- NFPA 79 – Provides safeguards for industrial machinery to protect operators, equipment, facilities and work-in-progress from fire and electrical hazards.

What does NFPA 79 address?

Requirements apply to electrical/electronic equipment, apparatus, or systems supplied as part of industrial machines operating from a nominal voltage of 600 volts or less, and commencing at the point of connection of the supply to the electrical equipment of the machine.

For these certifications we use a NRTL (Nationally Recognized Testing Laboratory). The prices below are close to our costs. Use the information below to get started, but please call Sales Support to review the particulars for each order.

Site visit fee

A significant part of the cost is for the agent from a NRTL to come to the factory to do the inspection and issue the certification. For orders with multiple machines, it is very likely for us to be able to reduce the price per unit to reflect an amortization of this fee in the event they are inspected during the same visit by the NRTL inspector.

Knee mills and certification

For TRAK Knee Mills, it is necessary to get the flanged disconnect in order to get the certification, so the CERT-K3 kit does include that hardware. The single power source transformer is not necessary to get the certification. If both are desired, it will be necessary to order them both.

Lathes and certification

For TRAK SX Lathes, it is not necessary to get single power source transformer to get the certification. If both are desired, it will be necessary to order them both.

DPM Bed Mills and certification

For TRAK SX Mills, the Electrical Certification includes the installation of a flange mounted disconnect switch and a single power source transformer. It is not necessary to order both.

RX Machines

Part No.	Description	Price
CERT-ELEC-1630RX	Electrical Certification for 1630RX & 1630HSRX Lathes	\$1,885
CERT-ELEC-1845RX	Electrical Certification for 1845RX Lathe	\$1,885
CERT-ELEC-2470RX	Electrical Certification for 2470RX Lathe	\$1,885
CERT-ELEC-DPMRX2	Electrical Certification for DPMRX2 Mill	\$1,885
CERT-ELEC-DPMRX3/5	Electrical Certification for DPMRX3/5 Mills	\$1,885
CERT-ELEC-DPMRX7	Electrical Certification for DPMRX7 Mill	\$1,885
CERT-ELEC-LPM-440V	Electrical Cert for LPM 440V	\$3,605
CERT-ELEC-M11 220V	Electrical Certification for M11 220V *	\$1,859

***2 OP M11 Certification** - The electrical certification meets UL508A and NFPA79. This is available on 220-volt machines only.

SX Machines

Part No.	Description	Price
CERT-ELEC-1630	Electrical Certification for 1630SX Lathe	\$1,859
CERT-ELEC-1845	Electrical Certification for 1845SX Lathe	\$1,859
CERT-ELEC-2460	Electrical Certification for 2460SX Lathe	\$1,859
CERT-ELEC-2470	Electrical Certification for 2470SX Lathe	\$1,859
CERT-ELEC-K3 -220	Electrical Certification for K3 Mill 220V	\$1,859
CERT-ELEC-K3 -440	Electrical Certification for K3 Mill 440V	\$1,859
CERT-ELEC DPM2 W/TRANS	Electrical Cert with Transformer	\$2,122
CERT-ELEC DPM3/5 W/TRANS	Electrical Cert with Transformer	\$2,122
CERT-ELEC-FHM7	Electrical Cert for FHM7 Mills	\$1,859

Transformers

This option is for the installation of a transformer for a single power source. It does not include an electrical certification.

For SX Lathes, the Transformer Option includes a UL-approved breaker in the door power switch that can be used to lock out power.

For SX DPMs the Transformer Option includes the flange mount disconnect.

There is no Transformer Option for TRAK RX lathes and mills.

The TRAK FHM 7 already comes with a power switch that may be used to lock out power.

Part No.	Description	Price
TRANSFORMER-1630	TRANS SINGLE PWR SOURCE 1630,1630HS	\$798
TRANSFORMER-1845	TRANS SINGLE PWR SOURCE 1845	\$798
TRANSFORMER-2460	TRANS SINGLE PWR SOURCE 2460	\$798
TRANSFORMER-2470	TRANS SINGLE PWR SOURCE 2470	\$798
TRANSFORMER-DPM2P	TRANS SINGLE PWR SOURCE DPM2P	\$798
TRANSFORMER-DPM3/5P	TRANS SINGLE PWR SOURCE DPM3P/5P Mills	\$798
TRANSFORMER-FHM7	TRANS SINGLE PWR SOURCE FHM7	\$1009
TRANSFORMER-LPM	TRANS SINGLE PWR SOURCE LPM	\$2575

Flange mount disconnect and transformer

This Knee mill option is for the installation of a flanged disconnect and transformer for a single power source. It does not include an electrical certification. This option only applies to K3 KMX machines.

Part No.	Description	Price
FLANGE/TRANS-K3SX-220	Flanged disconnect and transformer-K3 220V	\$1061
FLANGE/TRANS-K3SX-440	Flanged disconnect and transformer-K3 440V	\$1061

The following table summarizes what needs to be ordered for the 3 following configurations:

Model	If you want:		If you want both:
	Electrical Certification only (order this)	Transformer Only (order this)	Transformer with Electrical Certification (order this)
K3 – 220 volts	CERT-ELEC-K3-220 - \$1859	FLANGE/TRANS-K3SX-220 - \$1061	FLANGE/TRANS-K3SX-220 - \$1061 & CERT-ELEC-TRANS - \$1859
K3 – 440 volts	CERT-ELEC-K3-440 - \$1859	FLANGE/TRANS-K3SX-440 - \$1061	FLANGE/TRANS-K3SX-440 - \$1061 & CERT-ELEC-TRANS - \$1859

DPMSX2P	CERT-ELEC-DPM2P W/TRANS - \$2122	TRANSFORMER-DPM2P - \$798	CERT-ELEC-DPM2P W/TRANS - \$2122
DPMSX3P & DPMSX5P	CERT-ELEC-DPM3/5P W/TRANS - \$2122	TRANSFORMER-DPM3/5P - \$798	CERT-ELEC-DPM3/5P W/TRANS - \$2122
FHM7	CERT-ELEC-FHM7 - \$1859	TRANSFORMER-FHM7 - \$950	TRANSFORMER-FHM7 - \$950 & CERT-ELEC-TRANS - \$1859
1630SX	CERT-ELEC-1630 - \$1859	TRANSFORMER-1630 - \$798	TRANSFORMER-1630 - \$798 & CERT-ELEC-TRANS - \$1859
1845SX	CERT-ELEC-1845 - \$1859	TRANSFORMER-1845 - \$798	TRANSFORMER-1845 - \$798 & CERT-ELEC-TRANS - \$1859
2460SX	CERT-ELEC-2460 - \$1859	TRANSFORMER-2460 - \$798	TRANSFORMER-2460 - \$798 & CERT-ELEC-TRANS - \$1859
2470SX	CERT-ELEC-2470 - \$1859	TRANSFORMER-2470 - \$798	TRANSFORMER-2470 - \$798 & CERT-ELEC-TRANS - \$1859

The CERT-ELEC-TRANS marketing number is required on those machines that have a transformer and require certification. It adds the price required for that certification and notifies our internal people that we need to arrange for the inspector to come to our facility.