



# Index of Terms

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## Common Abbreviations

These terms appear in the Customer Resource Center and are found throughout our Service and Operator's Manuals.

Abbreviation	Meaning
°/sec or deg/sec	Degrees per second
μ	Micron
AC	Alternating Current
AMP (or A)	Ampere
APC	Automatic Pallet Changer
APL	Automatic Parts Loader
arc-sec	Arc seconds
ASCII	American Standard Code for Information Interchange
ATC	Automatic Tool Changer
ATC FWD	Automatic Tool Changer Forward
ATC REV	Automatic Tool Changer Reverse
AWG	American Wire Gauge
bar	Metric air pressure
BHCS	Button Head Cap Screw
blocks/sec	Blocks per second
BT	British Tooling (Common usage)
CAD	Computer Assisted Design
CAM	Computer Assisted Manufacturing (Assisted Machining)
CAT-5	Category 5 Cable
CB	Circuit Breaker
CC	Cubic Centimeter
CCW	Counter Clock Wise
CFM	Cubic Feet per Minute
CMM	Coordinate Measuring Machine
CNC	Computer Numerical Control
CNCR SPINDLE	Concurrent Spindle with axis motion

<b>Abbreviation</b>	<b>Meaning</b>
CRC	Cyclic Redundancy Check digit
CRT	Cathode Ray Tube
CT	Caterpillar Tooling
CTS	Clear To Send
CW	Clock Wise
DB	Drawbar
DC	Direct Current
DGNOS	Diagnostic
DIR	Directory
DNC	Distributive Numerical Control
DOS	Disk Operating System
DTE	Data Terminal Equipment
ENA CNVR	Enable Conveyor
EDM	Electrical Discharge Machining
EOB	End Of Block
EOF	End Of File
EPROM	Erasable Programmable Read Only Memory
E-STOP	Emergency Stop
FHCS	Flat Head Cap Screw
fpm	Feet per Minute
ft	Foot
FU	Fuse
FWD	Forward
GA	Gauge
gal	Gallon
gpm	Gallons per Minute
HHB	Hex Head Bolts
hp	Horsepower
HS	Horizontal Series of Machining Centers
I/O	Input/Output
I/O PCB	Input Output Printed Circuit Board
ID	Inside Diameter
IGBT	Isolated Gate Bipolar Transistor
in	Inch
in-lb	Torque (inch-pounds)
ipm	Inches per Minute
kg	Kilogram

<b>Abbreviation</b>	<b>Meaning</b>
kVA	Kilovolt ampere
kW	Kilowatt
l	Liter
LAN	Local Area Network
lb	Pound
LCD	Liquid Crystal Display
LED	Light Emitting Diode
LO CLNT	Low Coolant
LOW AIR PR	Low Air Pressure
lpm	Liters per Minute
LVPS	Low Voltage Power Supply
m	Meter
m <sup>2</sup>	Square meter
M-FIN	M -code Finished
m/min	Meters per Minute
MB	Megabyte (1 million)
MCD RLY BRD	M -Code Relay Board
MDI	Manual Data Input
MEM	Memory
MHz	Megahertz
mm	MilliMeter
MOCON	Motor Control
MOTIF	Motor Interface
mph	Miles per hour
MSG	Message
MSHCP	Metric Socket Head Cap Screw
N (unit of force)	Newton/newtons
NC	Normally Closed
Nm	Torque/metric - Newton meters
NO	Normally Open
OD	Outside Diameter
OPER	Operator
oz	Ounce
P	Pocket
PARAM	Parameter
PCB	Printed Circuit Board
PGM	Program

<b>Abbreviation</b>	<b>Meaning</b>
POR	Power On Reset
POSIT	Positions
PROG	Program
psi	Pounds per Square Inch
PST	Pallet Schedule Table
PWM	Pulse Width Modulation
RAM	Random Access Memory
RET	Return
REV CNVR	Reverse Conveyor
RJH	Remote Jog Handle
rpm	Revolutions Per Minute
RTS	Request To Send
RXD	Receive Data
SDIST	Servo Distribution PCB
SFM	Surface Feet per Minute
SHCS	Socket Head Cap Screw
SIO	Serial Input/Output
SKBIF	Serial Key Board Inter Face PCB
SMTC	Side-Mount Tool Changer
SP	Spindle
sq ft or ft <sup>2</sup>	Square feet
T	Tool Number
TC	Tool Changer
TIR	Total Indicated Runout
TNC	Tool Nose Compensation
ft-lb	Torque (foot-pounds)
TRP	Tool Release Piston
TS	Tail Stock
TSC	Thru the Spindle Coolant
TXD	Transmit Data
V	Volt
V AC	Volts alternating current
V DC	Volts direct current
VDI	Verein Deutscher Ingenieure
VMC	Vertical Machining Center
WAN	Wide Area Network