



Toledo Integrated Systems

Toledo Transducers Inc.

DPPlus TPC (Total Press Control)

Cost Effective Encoder Based Press Control & Basic Automation Package

PRESS SAFETY

The Press Pilot 150, with its dual processor technology, is perfect for an inexpensive safety upgrade. It meets and/or exceeds OSHA, ANSI and CSA requirements for mechanical stamping presses and press control.

JOB STORAGE

The DPPlus TPC package allows for up to 100 job storage. Your die protection and PLS settings can all be saved and are password protected.

STOPPING TIME

Built standard into the DPPlus is a time based brake monitor and 90° brake test. With the stopping time, light curtains can be set to the appropriate distance.

DIE PROTECTION

8 standard die protection stations. Each station has an on and off window, frequency, time value and is able to be individually named. Each station settings are stored with the job.

PLS

8 standard PLS relay outputs. Each PLS output is can be named and saved with the job.



The DPPlus TPC is a cost effective and simple to use encoder-based press control and basic automation package offered by Toledo Integrated Systems.

This control and basic automation clutch/brake control, package includes die protection, PLS outputs, job/recipe storage, time-based brake monitor, counters, diagnostics, optional tonnage monitoring and a coil change mode.



DIAGNOSTICS

A unique feature of the DPPlus is the die protection diagnostics. This screen gives the last on, last off and current status of the die protection input. This can be especially useful in determining the window for which the die protection station should be set.

DEDICATED OUTPUTS

The DPPlus has 3 dedicated outputs. These outputs are non-job/recipe specific.

ONE ENCLOSURE

The main disconnect, motor starters, clutch / brake control and automation can all be mounted in one enclosure. With the small footprint of the Press Pilot 150 (clutch / brake controller) and the DPPlus unit, this enclosure won't consume your press.

TECHNICAL SUPPORT

Toledo Integrated Systems can provide the on-site technical support and turn-key installation.

Description	Specification
Input Power	120 VAC @ 2A (Includes 24 VDC @ 2.1 Amp power supply)
Display	4.3" Color touchscreen (standard) 7" Color touchscreen (optional) 10" Color touchscreen (optional)
Clutch / Brake Control	
Run Stations	Up to 4
Modes	Off, Inch, Single & Continuous
E-Stop Circuit	120 VAC or 24 VDC
Auxiliary Top Stop Input	24 VDC
Auxiliary Immediate Stop Input	24 VDC
Position Input	Encoder (1° Resolution)
Light Curtain Interlocks	Yes
Hydraulic Overload Monitoring	Yes
Job/Recipe Storage	100
Inputs	
Die Protection (24 VDC, NPN)	8
Brake Monitor (120 VAC)	1
Remote Reset Input (24 VDC, NPN)	1
Encoder Signals (24 VDC, NPN)	3
Coil Change (24 VDC, NPN)	1
Outputs	
PLS (Mechanical – SPDT)	8
Dedicated Outputs (Mechanical – SPDT)	3
SPM Limits	500 SPM
Operation Temperature Limit	0°-70° C



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