Balancing the Trendsetter 3230 (TS4) and 3244 (TS8) backbones

Context

- Trendsetter 3230 (TS4 Version)
- Trendsetter 3244 (TS8)

Background

The Trendsetter 3230 (TS4 Version) and Trendsetter 3244 (TS8) use fixed orifices on one side of the engine actuators. This eliminates the need to set cylinder speeds and timing in the field. However, cylinders must still be balanced left to right using the speed controls.

The roller, TEC, and LEC backbones can all be balanced using the speed controls at the away side of the engine. Each has specific balancing requirements.

Refer to the pneumatic drawing (50-1622B for TS4, 50-1672A for TS8) for details on positions for the air chokes and speed controls. You can view the schematics on the intranet at http://intranet.creo.com/support/html/ts4/drawings.htm, http://intranet.creo.com/support/html/trendsetter_3244/drawings.htm, or on the service CD.

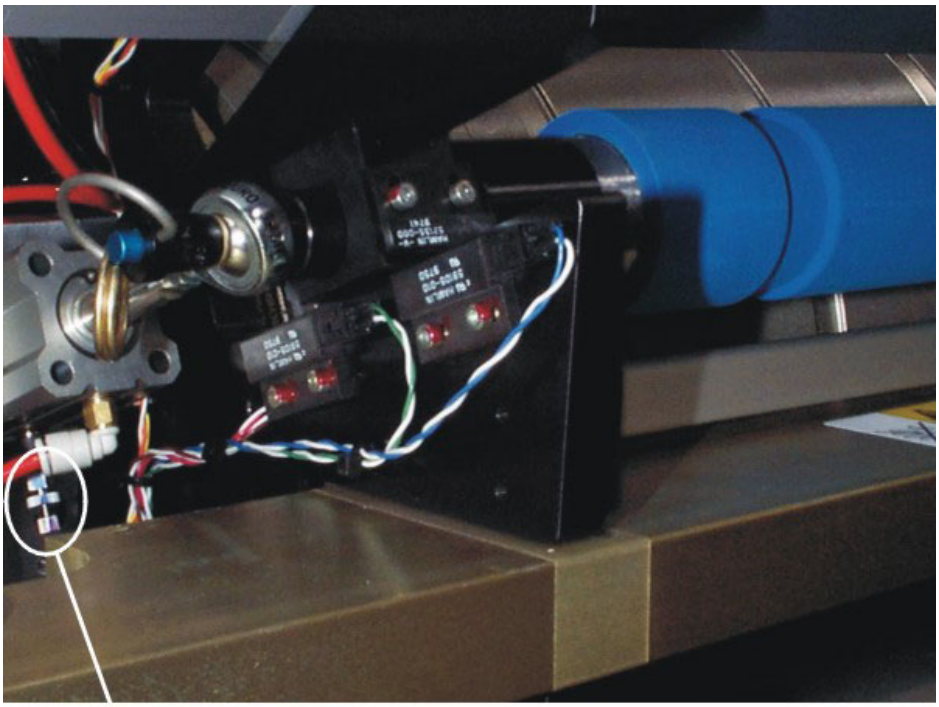


WARNING: Failure to follow the safety policies and procedures for field engineers may create a dangerous situation that could result in serious injury as well as damage to the output device. For more information, see: http://techplanet.creo.com/output/computer_to_plate/all_ctp/nav/safety.htm

Steps

Balancing the roller backbone:

1. Balance the roller when it is moving towards the drum (cylinder retract).
2. Use the speed control on the cylinder on the away side of the engine to balance the roller.

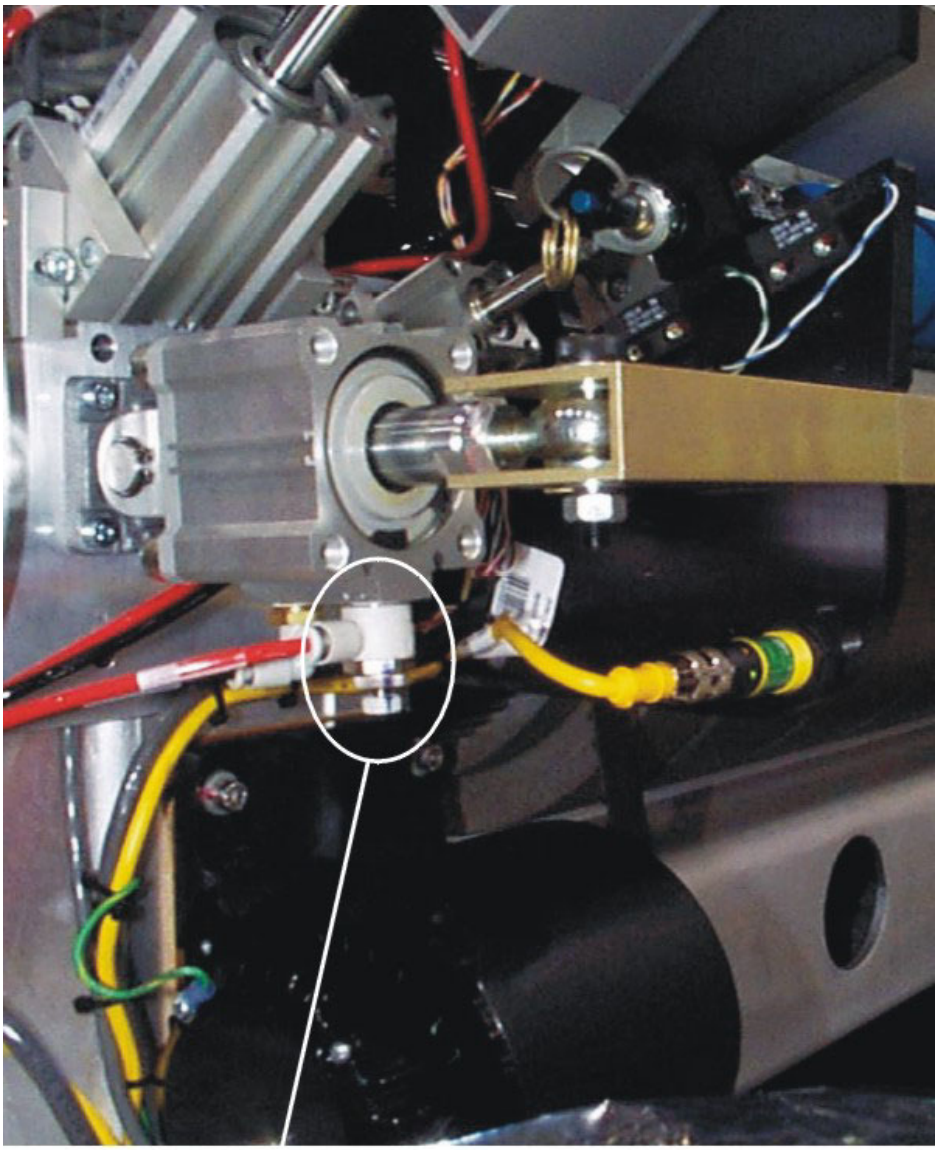


Roller cylinder speed control

3. The roller can move away from the drum unbalanced (cylinder extend).

Balancing the LEC backbone:

1. Balance the LEC backbone when it is moving away from the drum (cylinder extend).
2. Use the speed control on the cylinder on the away side of the engine to balance the LEC backbone.

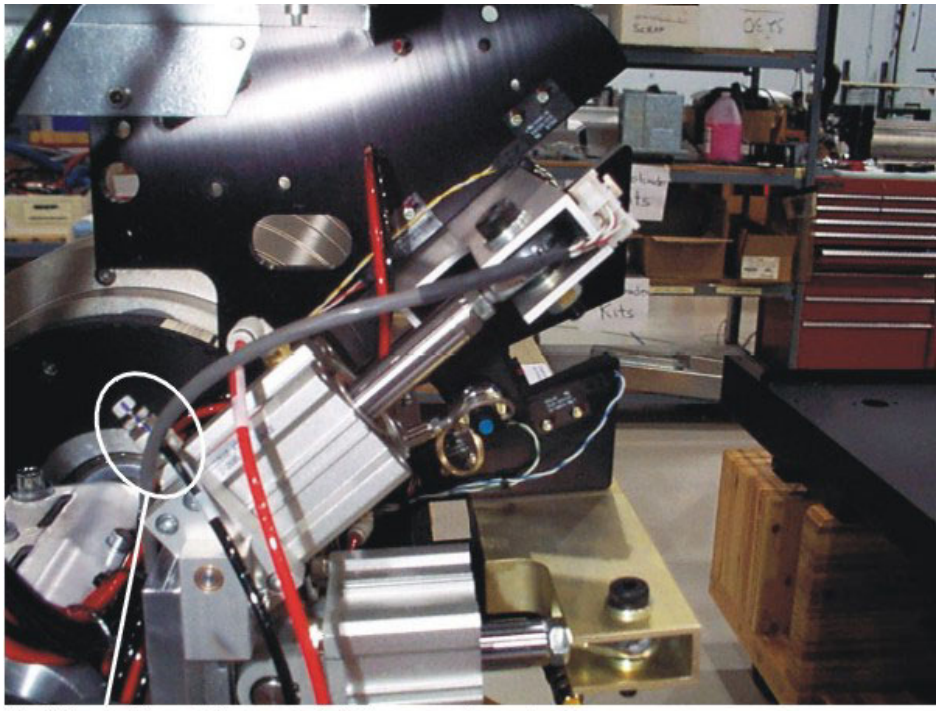


Leading Edge Clamp (LEC) speed control

3. The LEC backbone can move towards the drum unbalanced (cylinder retract).

Balancing the TEC backbone:

1. Balance the TEC backbone when it is moving towards the drum (cylinder retract).
2. Use the speed control on the cylinder on the away side of the engine to balance the TEC backbone.



Trailing Edge Clamp (TEC) speed control

3. The TEC backbone can move away from the drum unbalanced (cylinder extend).