



TBI PowerPull Modular Wire Feeding System

- Master/Slave mode or use of the built-in controller
- Choice of 7 different operation modes
- Freely programmable parameters



TBI RM 70G with PowerPull-Box

Advantages of the system

- The compact drive unit can be placed very close to the torch
- Highly dynamical wire pull-back
- No influence on the main feeder and power source
- Multiple drive units can be linked electronically
- Very gentle treatment of soft wires
- One programming unit is sufficient for multiple systems

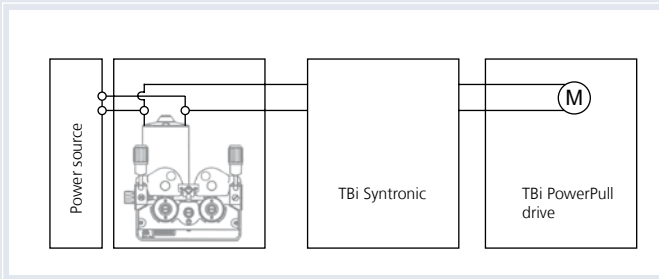
Technical data

TBI PowerFeeder PF16

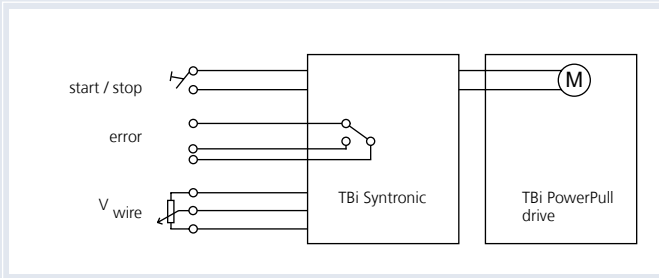
Application	Wire feeding system for automated welding stations (MIG/MAG, TIG, Plasma, Laser) or coating systems (e.g. plasma spraying)
Wires	Ø 0,8 – 1,6 mm for all solid wires, use with cored wires on request.
Wire packaging	Reel or barrel
Operation modes	Slave mode synchronous to the main feeder, or use with the programming unit: <ul style="list-style-type: none"> - continuous feeding 2- or 4-step - single step mode - intermittent, w/o pull-back (2-/4-stroke) - intermittent, with pull-back (2-/4-stroke)
Supply voltage	Choice of 24 V / 48 V / 115 V / 230 V, 50 Hz / 60 Hz
Options	Compact wire feeding units for <ul style="list-style-type: none"> - automatic- and robot torches - intermediate drives - barrel feeding - welding tractors - custom designed solutions

Configuration examples and interfaces

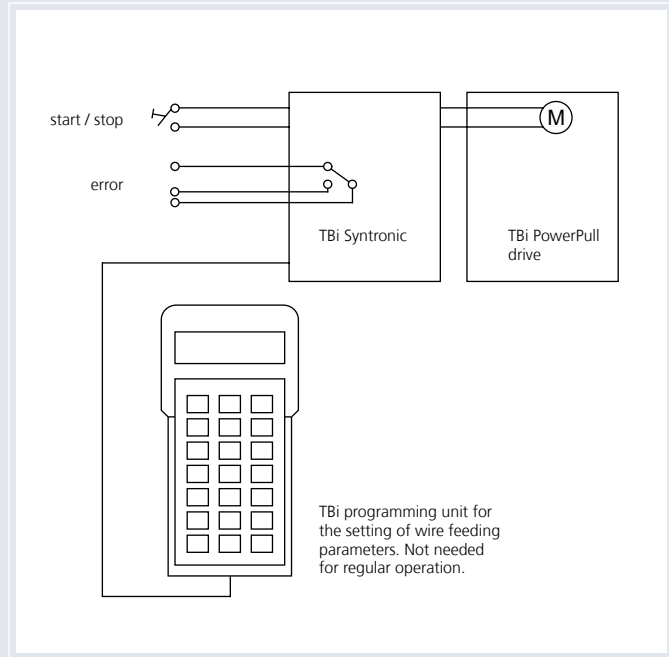
1. Slave-mode



2. Manual / External reference input



3. Independent wire feeding system



Programming unit

The handheld programming unit will be needed to set the wire feeding parameters in the TBi Syntronic. Afterwards the programming unit can be removed and is not needed for the regular operation of the system.



PowerPull drive units

The TBi PowerPull drive units are based on our well-proven planetary drive system. Different versions and cable connections are available. Our application engineers will be happy to assist you in choosing the best configuration for your welding task. We are able to realise many different setups from barrel feeders to hand-carried intermediate drives!



Syntronic digital reverse

Digital motor controller for the TBi PowerPull units. The Syntronic either operates in slave-mode to a master wire feeder, or can be upgraded with the programming unit to be a full-blown master controller. The Syntronic allows for full 4-quadrant operation, including wire pull-back. Versions with different input voltage are available.

Accessories

We are able to supply a broad range of automation products, as unreeling units for barrels and spools, robot mounts, wire conducts, intermediate cable assemblies, cold wire guiding units, wire speed meters, and many more. Ask us about it!