In. Motion
Technology Distribution LLC

Perfect wire feeding System with new innovative wire conduit Rolliner solutions from Inmotion

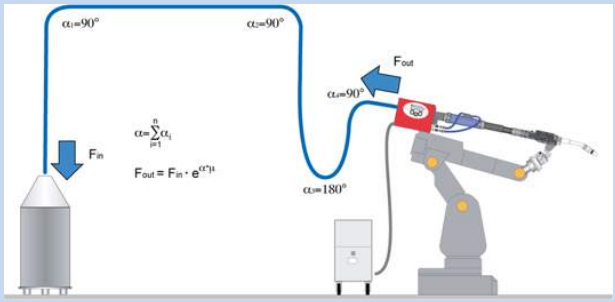
Rolliner 3G - up to 0.062”/1,6 mm wire diameter and no tools needed for assembling

With the application of bulk wire systems (drums, large spools) instead of standard coils (15lb/7kg in aluminum, 33lb/15kg in steel) the use of conduits is necessary. At the same time the constancy of the wire feed speed is a crucial parameter in arc– or beamwelding. The movement of the electrode wire in the wire guide hose is inhibited by friction and it can very easily lead to situations in which the wire speed required can no longer be maintained.

The individual elements contain a pair of rollers and are connected to one another via joints. Each element is turned by 90 ° to the adjacent element, whereby the welding wire is guided entirely by rollers.

As a result, the friction is significantly reduced in comparison to conventional wire guide hoses. Between the individual pairs of rollers there is a conical guide, which during threading leads the wire to the next pair of rollers, thus ensuring trouble–free threading over narrow radii.

Due to its low friction Rolliner 3G allows significantly longer wire runs between the pay–off pack and the wire feeder. In many cases it is possible to avoid additional drives.All material types can be transported by Rolliner 3G (round wires), steel, stainless steel, aluminum, copper, etc.



Schematic representation of a robotic welding system with bulk wire supply

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ADVANTAGES

- **Effortless threading by means of a patented, conical guide of the wire from roller pair to roller pair**

- **Bending radius minimum 2.7”/70 mm at wire inching and during operation!**

- **Wire diameter up to 0.062/1.6mm mm! Wire feed speed up to 30m/min**

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- **Tool-free assembly and extension**

Rolliner 3G is not a wearing part and is maintenance-free for several years. The welding process becomes more stable as less slippage occurs due to the low forces in the wire transport system.

Maximum length of conduit 82ft/25 m, can be extended with hose connector

Coefficient of friction 0,08

Special Instructions

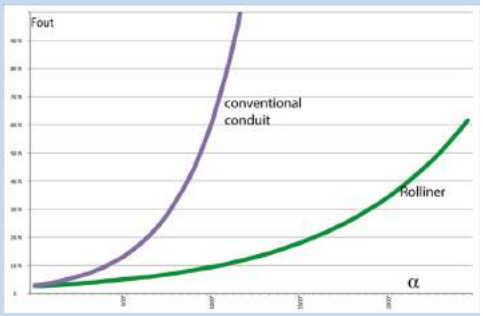
- **Connectors**

The inlets and outlets of the Rolliner 3G have a 1/4 "internal thread and a 1/2" external thread.

- **Assembling**

=>Insert elements into protective hose => Insert the holding clips at the inlet and outlet

=> Connect the wire inlet and outlet



Exponential curves of two different conduits

GERALD OBRITZBERGER

+1.312.547.9253
gobritz@inmotion.global

http://inmotion.global/rolliner/