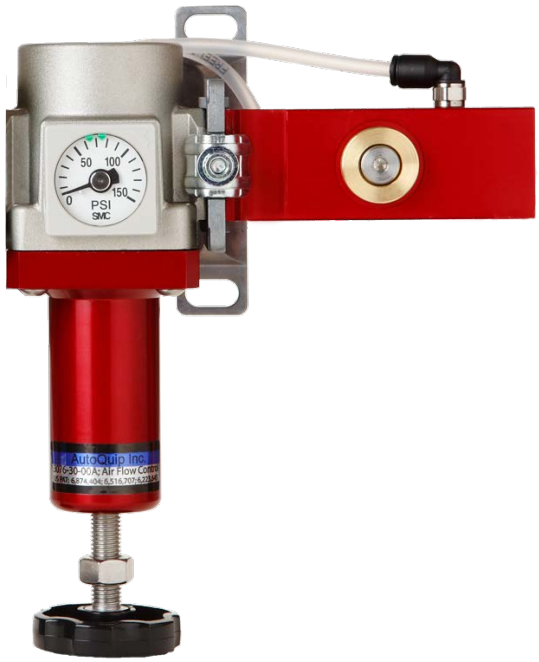
Constant Speed Control		
Dynatork 1, 2 and 3	Ports	3/8" BSP (T)
Order Code 926.3114-CLR3-100	Weight	2 lb
	Flow rate ft^3/min	2.2
Dynatork 3 and 7	Ports	1/2" BSP (T)
Order Code 926.3114-CLR4-100	Weight	2.5 lb
	Flow rate ft^3/min	6
Dynatork 3 motors can be used with either unit depending on Flow rate required		

Pneumatic Regulator System

System Description

The Closed Loop RPM Control regulates air flow to mechanisms like pneumatically driven motors and cylinders. The device is designed to eliminate problems associated with efficiently transferring energy.

The Closed Loop RPM Control incorporates a flow regulator to accomplish the control. When air flow is sensed, the flow regulator modulates the output pressure of the Closed Loop RPM Control to maintain a specific flow rate and torque.



Standard Features

- Automatically controls air pressure and flow rate.
- Dynamic control during working cycle.
- Independent adjustment of pressure and flow rate.
- Minimises effect of pressure drop in air supply.

Applications

- Paint agitator motor speed control
- Paint pump cycle limit control
- Paint spray gun atomization rate control
- Air sander speed control
- Air tool torque control
- Air cylinder rate and pressure control

Dynatork Motor Control

Electrical Option

Dynatork Motors use three cylinders with alternative reciprocating pistons, this motion easily allows the incorporation of a Inductive Proximity Sensor. These can be fitted to one or all three Cylinders depending on the required accuracy. The principle of operation:

- **Dynatork Air motors adapted to accept M8 proximity sensors to each Cylinder cap.**
- **When each piston reaches top dead centre the Proximity Sensor passes a “1” signal to the Programming/Computer device.**
- **The Programmer/Computer counts the pulses, either 3 pulses or 1 pulse per revolution.**
- **After “X” number of pulses the programming unit changes the Air Motor mode of operation, from Stop - Reverse - Delay and/or start another function.**

Pneumatic option

By replacing the Proximity Sensor with a Pressure Sensor the basic Motor operation pressurises each cylinder in turn to drive the pistons, alternating condition on each cylinder will give an output signal to be used in the same way, the advantage of this method over the Proximity Sensor is that special pistons are not required.

HOW TO ORDER

All Dynatork motors can be produced with fittings to accept Proximity Sensors, due to the wide variety of sensors we supply the motors with special pistons, and the cylinder cap filled with a blanking bolt.

Motors with sensors are treated as special applications due to the wide variations.

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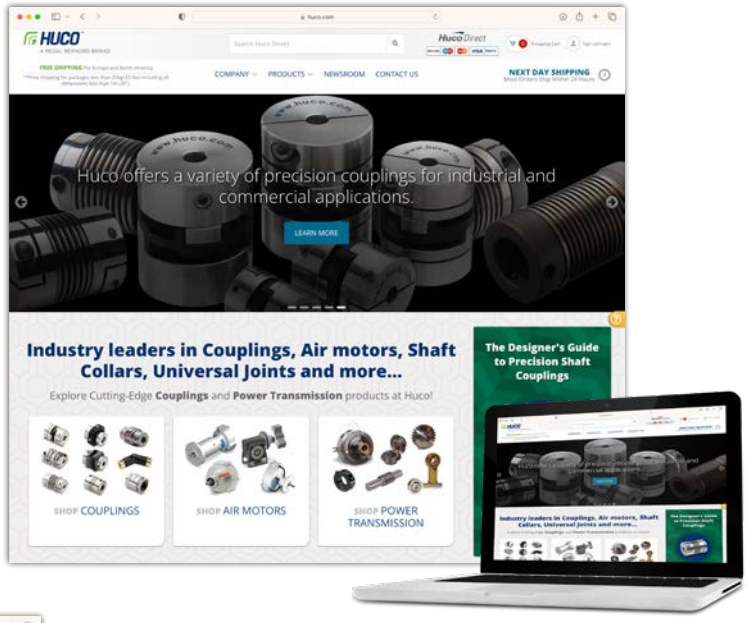

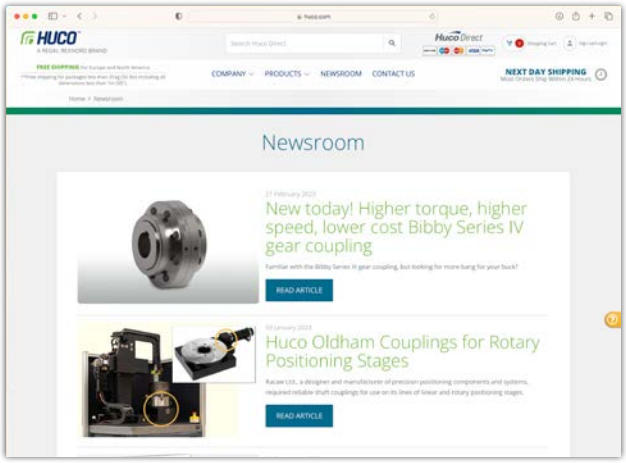

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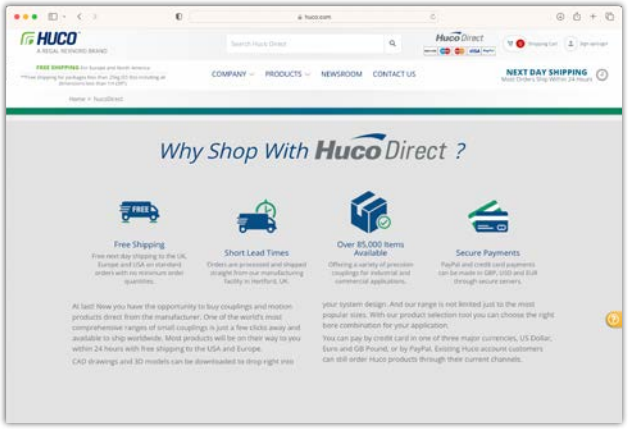

Huco Facilities

Europe

United Kingdom
Merchant Drive, Hertford
Hertfordshire SG13 7BL - England
+44(0)1992 501900
Precision Couplings and Air Motors

North America

USA
440 North Fifth Avenue
Chambersburg, PA 17201 - USA
888-829-6637 or 717-264-7161
Precision Couplings and Air Motors

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