

Applications

Agriculture

- Portable Conveyor Drive
- Cattle Gate Drive

Aerospace

- Work Platform Positioning Units
- Scissor Lifts
- Portable equipment
- Antenna Drive Systems
- Mechanical Handling
- Sand / Shot Blasting Table Drivers



Automotive

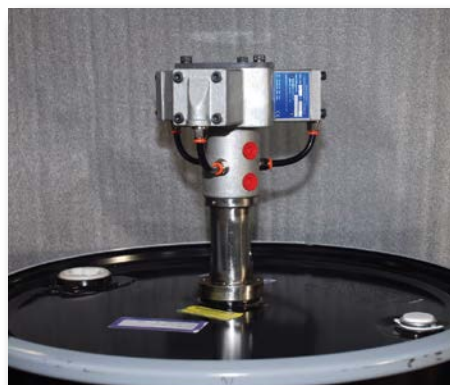
- Paint Stirring
- Assembly Line
- Trolley Drive
- Life Testing Components
- Tyre Carousels Drive
- Lube Pump Drive

Chemical Industry

- Stirring
- Agitation
- Valve Modulation
- Dispensing Machines
- Volumetric Filling
- Conveyor Drive
- Indexing
- Process Plant
- Peristaltic Pump Drive
- Dosing Plant Drive

Food

- Small Conveyors
- Agitative
- Mixing
- Rotating Tables
- Labelling Machines
- Brushing
- Peristaltic Pump Drive



- Modulating Valve Control Drive
- Carton Filling Machines
- Bucket Elevators
- Cap Applications
- Slow Feed - Fast Return Wrapping

General Engineering

- High Pressure Water Jet
- Life Testing Equipment
- Conveyor Belt and Roller
- Stirrers
- Winding, Unwinding
- Constant Reversal Applications

Machine Tool

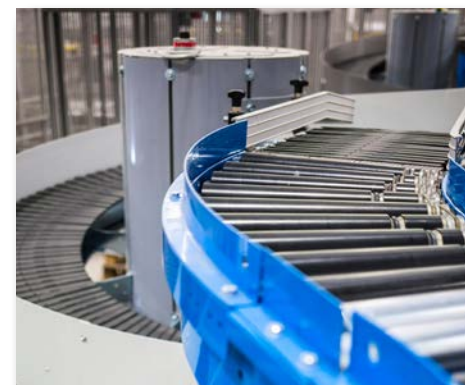
- Clamping
- Capston Drive
- Bar Feed Drive
- Lead Screw Drive
- Slow Speed Positional Drive
- Sheet Steel Press Feeding & Tensioning System

Marine

- Submerged Propeller Drive
- Bow / Stern Servo Control Drive
- Diesel Engine Speed Control (remote)
- Boarding Ladder Control Drive
- Windscreen Wiper Drive

Mechanical Handling

- Conveyor Drive
- Indexing Tables
- Clamping
- Scissor Lifts
- Lead Screw Drive
- Heavy Vehicle Drive
- Chute Positioning
- Stacking Machines
- Un-stacking Machines
- Nip Roller Drive
- Heavy Trolley Drives (up to 30 tonnes)



Medical

- Auxiliary Drive running on Nitrogen
- Scanning Machine Drive
- Peristaltic Pump Gear Pump

Oil Industry

- Back Flush Filter Drive
- Valve Modulation
- Cable Winding / Unwinding
- Pipe Launching
- Pipe Welding Drive Systems

Packaging and Labelling

- Labelling Machine Conveyors
- Wind Up of Label Backing Strips
- Conveyor Drive
- Back Tensioning on Label Reels
- Clamping
- Staple Gun Positioning
- Filling Machines
- Carousel Drive
- Volume Adjustment Conveyors
- Cap Tightening
- Slow Feed - Fast Return Bagging

Paper and Printing Industry

- Solvent Pump Drive
- Ink Pump Drive
- Paper Mill Belt Cleaning in High Temperature
- Oscillating Drive
- Paper Reel Drive Roller
- Conveyor (Stop / Start)

Steel Industry

- Nip Roller Drive
- Modulating Drive for Steel Casting
- Spray Nozzle Drive
- Slow Rotation of Large Ingots
- Clamping / Positioning Large Ingots
- Ladle Pouring Controller Drive
- Conveyor Drives
- Heavy Trolley Drive

Textile

- Carpet Winding on Drums
- Dying Process Plant for Winding off
- Stenter Machines
- Webb Tracking Drives with Modulating Control
- Handling Equipment Drives

Unique Features of Huco Air Motors

Controllable Speed & Torque

Speed control can be adjusted to fine limits by the use of restrictors on the exhaust ports. The speed can be instantly changed to a higher or lower speed due to fast response times.

Instant Stop-Start

Dynatork motors can stop-start and drive under load with characteristics similar to a Stepping Motor.

Environmental Benefits

Energy Saving

Air consumption of piston motor is positive as leakage is negligible giving maximum torque at minimum air consumption.

Quiet Operation

Dynatork air motors have very low noise levels when compared with standard air motors. They can operate in harsh environmental conditions and are unaffected by airline condensate.

Clean Environment

Dynatork Air Motors can be supplied for a non-lubricated gas supply in clean areas so eliminating contamination in a clean environment.



Max Torque at Start

Floating pistons transmit the maximum torque at start which can be adjusted by the use of a pressure regulator.

Reversing

The reversing of the Dynatork Air Motors is achieved by using 5 port control valves, giving near instant response even under load.

Programmed Control

Dynatork air motors can be fitted with sensors to enable programmed control by pulse counters to control rotation direction, speed and number of revolutions.

High Torque Output

Torques up to 550Nm achievable using reduction gearboxes.

ATEX Approved available

Safe for use in hazardous areas

Corrosion Resistant

Ideal for the food and pharmaceutical industry. Can even be used fully submerged.