

# Applications

## Agriculture

Portable Conveyor Drive  
Cattle Gate Drive

## Aerospace

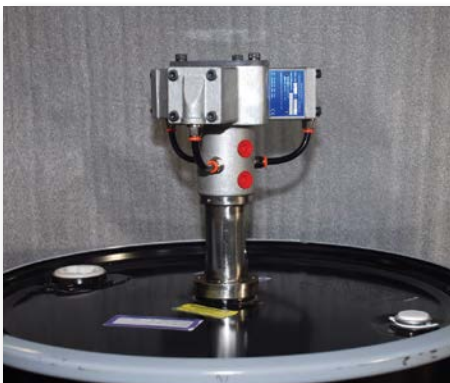
Work Platform Positioning Units  
Scissor Lifts  
Portable equipment  
Antenna Drive Systems  
Mechanical Handling  
Sand / Shot Blasting Table Drivers



## 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.

