



TSR80S - HIGH ACCURATE BALL SCREW SYSTEM

Automatic Stop or Pusher

STANDARD FEATURES

- Linear drive system with integrated precision ball screw and roller guideway, DC servo motor with gear box and rotary encoder
- Position controller for single position with quantity counter, manual mode, automatic gauge arm retract and out of position feedback
- T-nuts and slots for easy retrofit on any table or conveyor
- Motor brake
- Left or right side mounting

GENERAL SPECIFICATIONS

- Repeatability: +/- 0.001in (+/- 0.03mm)
- Accuracy-rotary encoder: +/- 0.001in/ft (+/- 0.1mm/m)
- Accuracy-linear encoder: +/- 0.0002in/ft (+/- 0.02mm/m)
- Feedback : Automatic out-of-position feedback

STOP SPECIFICATIONS

- Travel speed: up to 18in/sec, higher on request
- Measuring length: up to 20ft, total length: + 24in (600mm)
- Carriage: 210mm long roller guideway with 12 bearings, top plate with threads for mounting

PUSHER SPECIFICATIONS

- Max. material weight: 400lbs at 12in/sec (0.3m/sec) travel speed
300lbs at 18in/sec (0.45m/sec) travel speed
- Measuring length: up to 20ft, total length: + 27in (690mm)
- Carriage: 270mm long roller guideway with 12 bearings, top plate with threads for mounting

OPTIONS

- Spring shock absorber arm with length adjustment
- Manual horizontal gripper (pusher version only)
- Integrated proximity limit switches
- 3,000 line program memory and outputs for fully automatic operation
- RS232 interface with TS312 communication software for PC
- High accurate linear magnetic encoder for direct measurement
- Control stand (free standing)

ROLLER CONVEYORS SERIES RC AND RH

- Open conveyor, steel construction with metal rollers
- Stands with flexible height adjustment from 27-3/8" to 39-3/8"
- Capacity: 135lbs/ft (RC) or 620lbs/ft (RH)
- Width between rail: 13/15/19 inch standard, others on request
- Plastic rollers and metal safety inserts available upon request

FLAT TABLE SERIES RF

- Solid steel top with 135lbs/ft capacity
- Stands with flexible height adjustment from 27-3/4" to 39-3/4"
- Overall width: 12/16/22 inch standard, others on request

TSR80S with RC conveyor



Spring shock absorber arm



Precision ball screw drive

