M. HANIF & SONS

Industrial gearboxes, gearmotors and vacuum pumps

TECHNICAL DATASHEET

Ref: MHS-S-SERIES-HEL

HELICAL, BEVEL & WORM GEARMOTORS IN PAKISTAN

S Series Helical-Worm Right-Angle Gearmotor

Quiet, space-saving SEW-type S series right-angle helical-worm geared motor combining helical efficiency with smooth torque for conveyors and packaging lines.

DRIVE	GEARING	MOUNTING
90° Right angle	**Helical + worm stage**	**Foot / Flange / Hollow SA**

TECHNICAL SPECIFICATIONS

Series	**S (S foot / SA hollow shaft / SF flange / SAF)**
Gear type	**Combined helical + worm (90° right-angle drive)**
Power rating	**0.18 kW to 22 kW (50 Hz 380V/415V 3-phase)**
Efficiency	**78%–90% depending on reduction ratio**
Housing	**Compact cast iron**

* Solid, hollow bore, and shrink-disc shaft configurations quoted on request.

KEY DESIGN HIGHLIGHTS

- Higher efficiency & lower heat than plain worm reducers
- Whisper-quiet operation suited to indoor packaging halls
- Compact right-angle cast-iron housing saves aisle clearance
- Available in S foot, SF flange & SA hollow-shaft forms
- Drop-in dimensional replacement for SEW S37–S97 series

TYPICAL INDUSTRIAL APPLICATIONS

- Automated cartoners, bottling & labeling conveyors
- Textile dyeing, stenter & finishing machinery
- Food, dairy & pharmaceutical processing conveyors
- Compact roller drives with hollow-bore torque arms

ENGINEERING OVERVIEW

The S series right-angle geared motor pairs a high-efficiency input helical gear stage with a precision worm stage. Compared to plain single-stage WP worm gearboxes, this two-stage architecture runs markedly quieter, runs cooler, and transmits higher continuous torque inside tight machine frames.

Supplied in foot-mounted (S), flange-mounted (SF), and hollow-shaft torque-arm (SA / SAF) configurations matching SEW S37 through S97 footprints, our S series 3-phase gearmotors serve automated cartoners, bottling plants, textile frames, and belt conveyors throughout Lahore, Sialkot, Faisalabad, and Karachi.