

Application area

- pick-and-place-applications
- screw applications
- assembly and positioning applications

Advantages

- small dimensions
- supply line through hollow shaft
- combined stroke and rotary motion

HDE 040

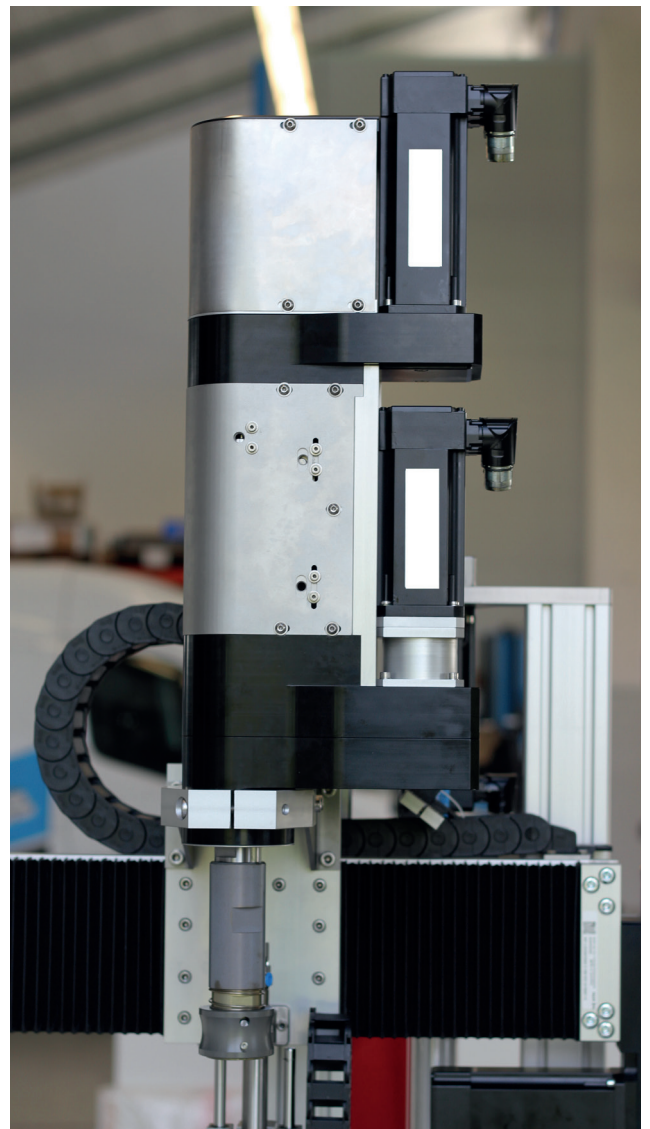
- drive: servo motor
- stroke: 50 – 200 mm
- max. speed: 1,0 m/s
- max. rpm: 4000 min⁻¹

HDE 060

- drive: servo motor
- stroke: 50 – 300 mm
- max. speed: 1,5 m/s
- max. rpm: 3000 min⁻¹

HDE 090

- drive: servo motor
- stroke: 50 – 500 mm
- max. speed: 1,5 m/s
- max. rpm: 2000 min⁻¹



Technical features

- independent linear and rotary movements
- hollow shaft for carrying electrical and pneumatic signals
- motors according to customer specifications

Technical data

	HDE 040	HDE 060	HDE 090
stroke [mm]	50 - 200	50 – 300	50 – 500
hollow shaft external-Ø [mm]	13,5	23,0	37,4
hollow shaft internal-Ø [mm]	8,0	11,0	20,0
axial peak force [N] *	50	250	720
max. speed [m/s]	1,0	1,5	1,5
standstill torque [Nm] *	1,2	2,5	7,2
max. torque [Nm] *	2,5	5,0	14,4
Max. rpm [min -1] *	4000	3000	2000
repeat accuracy	± 0,05 mm	± 0,05 mm	± 0,05 mm
weight [Kg at stroke 100] without motor	4,5	7,5	19,5
details: on request			

*depending on ball screw and motor

Options

- torque sensor
- speed- / angle of rotation measurement
- force sensor
- pneumatic and/or electric rotary distributor for signal transmission
- attachment of gripping and vacuum systems (also third-party systems)
- attachment of planetary gear units possible

3D-CAD-data can be requested at any time!