

# WAFER HANDLING ROBOT | IWH

## WITH SHD SUPER HEAVY DUTY DUAL ARM AND SHD BODY

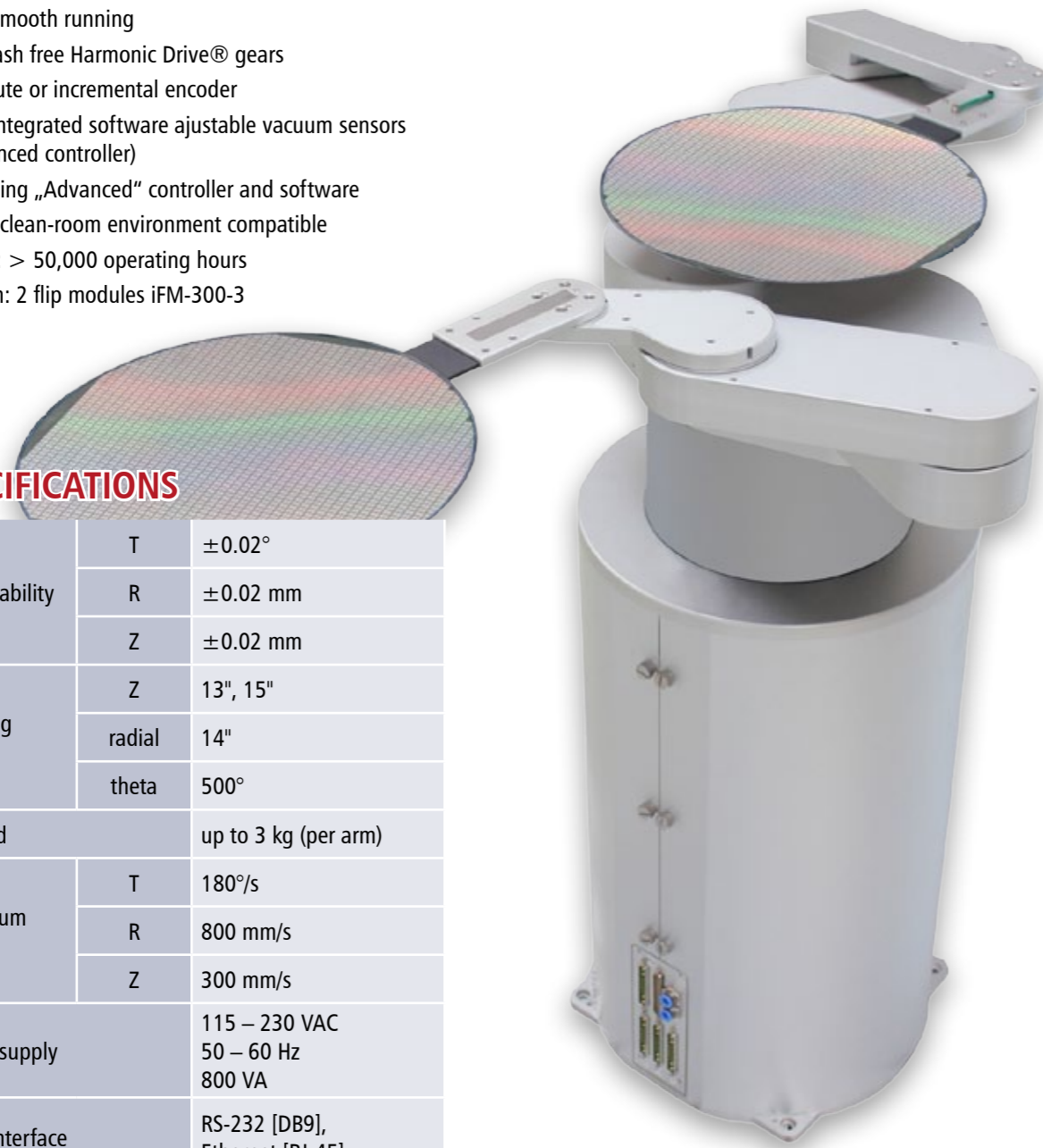
### CHARACTERISTICS

- excellent structural rigidity
- wafer handling of up to 450 mm
- maximum reliability and precision
- easy connection of a linear track to the robot controller
- very smooth running
- backlash free Harmonic Drive® gears
- absolute or incremental encoder
- fully integrated software adjustable vacuum sensors (advanced controller)
- including „Advanced“ controller and software
- ISO 1 clean-room environment compatible
- MTBF: > 50,000 operating hours
- option: 2 flip modules iFM-300-3



### SPECIFICATIONS

Repeatability	T	±0.02°
	R	±0.02 mm
	Z	±0.02 mm
Working range	Z	13", 15"
	radial	14"
	theta	500°
Payload	up to 3 kg (per arm)	
Maximum speed	T	180°/s
	R	800 mm/s
	Z	300 mm/s
Power supply	115 – 230 VAC 50 – 60 Hz 800 VA	
Main interface	RS-232 [DB9], Ethernet [RJ-45]	
Weight	approx. 60 kg	



IWH F-3 SHD dual arm robot  
(example of application, endeffectors see page 24)

### DIMENSIONS

