



Fraunhofer Institute for Integrated
Systems and Device Technology IISB

Fraunhofer IISB - Power Electronics

Highly integrated rotary actuator
system for robotic application

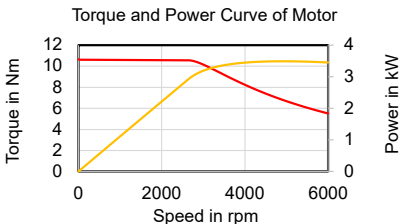
High integrated rotary actuator system for robotic application

Technical data

- Peak power (10 s): **3.5 kW**
- Peak torque: **250 Nm**
- Rated power: **0.4 kW**
- Rated torque: **30 Nm**
- Supply voltage: **48 V**
- Max. Temperature: **65°C**
- Power electronics:
GaN or Si-MOSFET (Concept dependent)
- Dimension: **D 125 mm × L 70 mm**
- Reduction ratio: **22**



Electric actuator system with integrated e-motor, electronics and gearbox. © Jonas Gehring / Fraunhofer IISB



Let's connect!

Xinjun Liu

xinjun.liu@iisb.fraunhofer.de

+49 9131 761-581

[www.iisb.fraunhofer.de/
powerelectronics](http://www.iisb.fraunhofer.de/powerelectronics)

