

# YOUR PHYSICAL AI ENABLER

Robust grippers with real-time tactile sensing that give robots the touch and control they need to learn and act in the real world.

## Adaptive Grippers Scalable and Cost Efficient

- › 90% of tasks at 10% of cost vs. anthropomorphic hands
- › Reliable manipulation across unpredictable environments
- › Proven, robust hardware
- › Easy integration with AI pipelines



**23 000+  
GRIPPERS  
DEPLOYED**



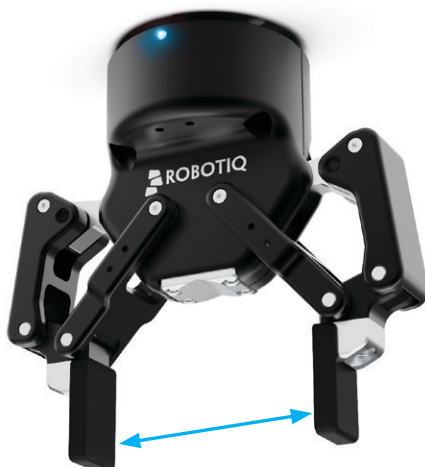
**STANDARD  
COMMUNICATION  
PROTOCOLS**



**PATENTED  
ENCOMPASSING  
GRIP**



**HIGH  
PRECISION**



**85mm stroke (3.3 in)  
5 kg payload (11 lb)**

**2F-85**



**140mm stroke (5.5 in)  
2.5 kg payload (5.5 lb)**

**2F-140**



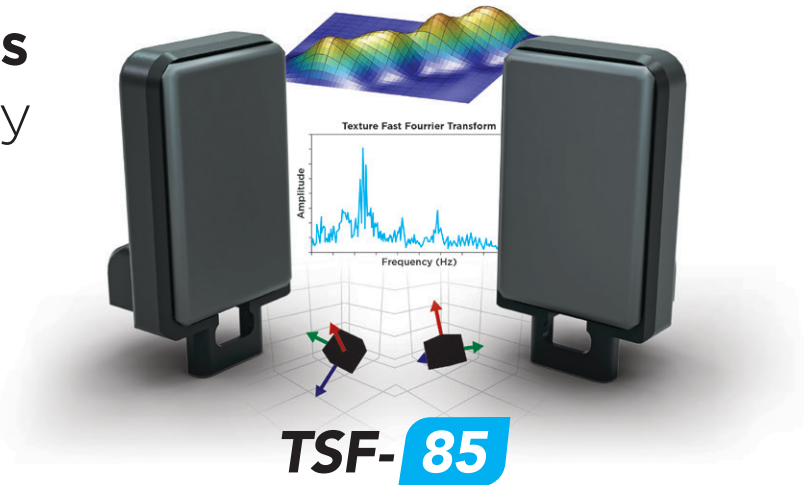
**50mm stroke (2 in)  
7 kg payload (15 lb)**

**HAND-E**

# Tactile Sensor Fingertips

## Robotics Missing Modality

- › Rich multimodal data
- › Pressure for contact awareness
- › Vibration for slip detection
- › Proprioception for accurate finger orientation
- › Enables better grasp decisions



**TSF-85**



28 TAXELS



1000 Hz

Compatible with



ROS2

# Force Torque Sensor

## 6-DOF

- › Precise and high-resolution measurements
- › Wear-free sensing technology
- › Consistent force and stiffness for each axis



± 300 N



500%  
OVERLOAD  
CAPACITY



IP65



**FT 300-S**  
FORCE TORQUE SENSOR



Building the future  
of Physical AI?  
**Talk to a Robotiq Expert**