

GRIT-XL Automated Sanding Systems

Kane Robotics, Inc.

Since its founding in 2019, Kane Robotics has collaborated with manufacturers in aerospace, defense and other industries to simplify material removal processes through automation, creating the first collaborative robot (cobot) system built specifically for sanding.

Kane's reconfigurable and easy-to-operate cobots work alongside humans to perform safe and precise sanding, grinding and finishing. The compact, mobile and affordable cobot solutions are accessible to all sizes and types of manufacturers and offer a pragmatic way to dramatically increase productivity, improve safety and fill job vacancies for dangerous, repetitive and labor-intensive tasks.

Benefits:

- Multiplies operator productivity
- Increases throughput
- Reduces costs
- Reduces worker injury and illness
- Lowers health care costs
- Helps ensure safety compliance
- Improves shop floor morale
- Fills vacancies and tedious jobs
- Frees skilled technicians for higher-level operations
- Reduces need for hiring and training

Features:

- Turnkey
- Lightweight
- Affordable
- Low Risk
- Rapidly Deployed
- Reconfigurable
- Collaborative

Specifications:

- **Software version required**
Polyscope 5.10+
- **Dependencies**
Force control, End-of-arm tooling, abrasive media, path programming
- **Certifications and standards**
N/A
- **What's in the box?**

A complete solution for your sanding, grinding, or finishing application

- Includes UR10e or UR20
- Mobile robot mounting platform
- Integrated electronics and pneumatics
- Cable management
- Part holding
- Path programming
- Robot "feeds & speeds" for your part and finish
- System installation, setup and operator training at your site

