New Scale Robotics

## NSR-MTM-3-URe

# Multi-Tool Mount System

## for e-Series Universal Robots

### Mount and control up to 3 NSR tools on the smallest collaborative robots

**Hardware and software** productivity solution

**Powerful NSR Devices software –** Control up to three NSR tools in one URCaps application

**Standard mounting** – ISO 9409-1-50-4-M6 mounting surface and M8 round plug cable

**Freedrive button–** quickly teach and set positions

**Automatically build device processes –** speed and simplify creation of complex operations

**NSR-MTM-3-URe**
with three NSR-PG gripper/caliper tools.
*Tools sold separately*

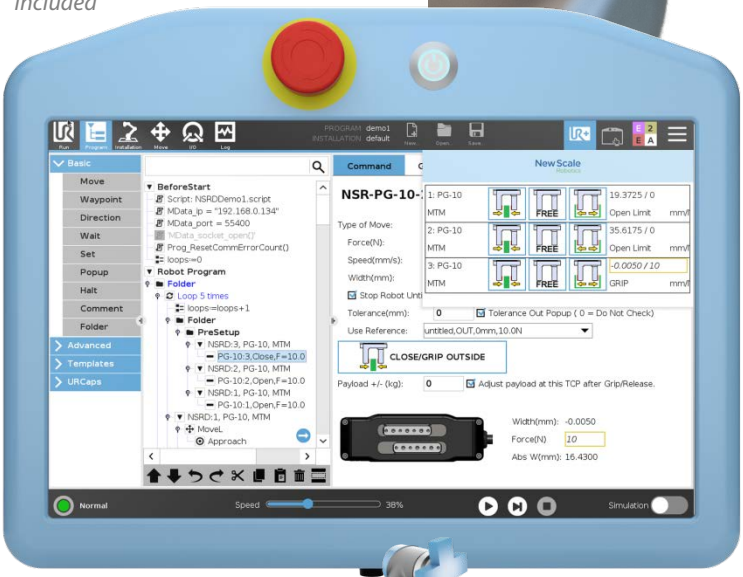
## Multiply your throughput and productivity

Mount multiple New Scale Robotics (NSR) tools on a single Universal Robots (UR) collaborative robot with the **NSR-MTM-3-URe Multi-Tool Mount (MTM) System**. Control up to three NSR tools as easily as one, to multiply throughput and productivity.

### Software – NSR Devices URCaps Application

NSR Devices is the new URCaps plugin for e-Series solutions from New Scale Robotics. Quickly add multiple NSR tools to the single user interface, build device processes with a few clicks, and run complex automation or metrology programs with ease.

**NSR Devices Software**
*Included*

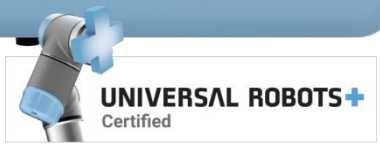



### Hardware - MTM Tool Mount

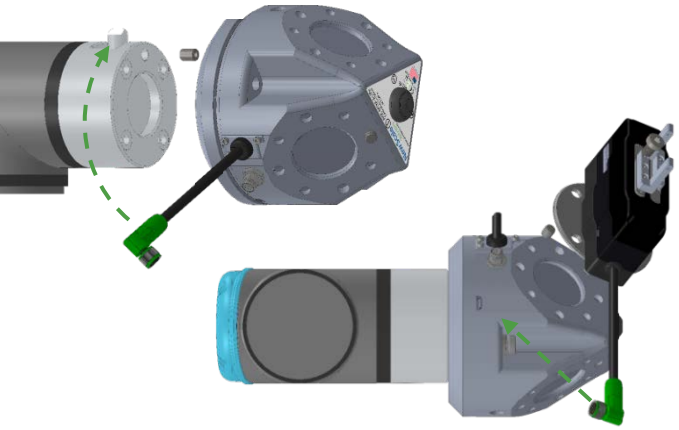
Mount the MTM hardware to the robot arm with four screws and one cable. Add NSR tools to the MTM tool using the same standard interface.

### Productivity Solution – Automate with Fewer Robots

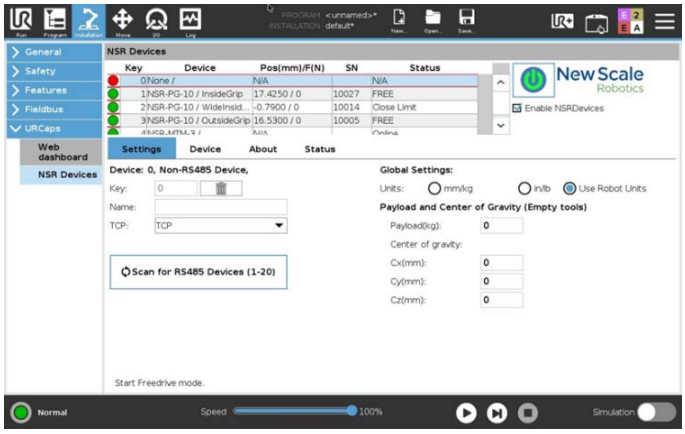
The MTM System lets you perform multiple processes with one robot, requiring fewer large moves. Reduce cycle times without compromising safety. Automate more with fewer robots. You can dramatically increase throughput in small part handling and inspection tasks.



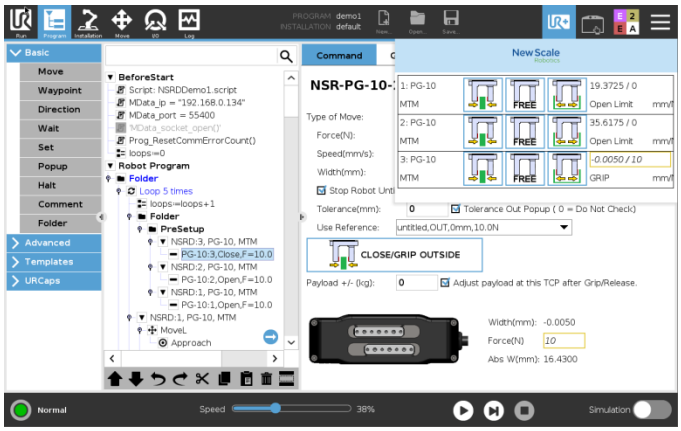
**Mount.** Connect the MTM hardware to the UR tool port. Connect your NSR tools to the MTM. All use standard interfaces, no other cables or converters needed.



**Install.** Load NSR Devices on the UR teach pendant. Add the NSR-MTM and up to three New Scale Robotics tools to the user interface.




**Program.** Teach or set parameters. Automatically build processes incorporating multiple NSR tools.




# Fast setup, maximum flexibility

Mount the **MTM hardware** to your UR robot tool flange and **connect the single cable** to the UR tool port. The MTM mount uses power and RS485 signals. It brings all eight signals from your UR robot tool port to each device.

Mount NSR tools on the MTM's tool surfaces. Use 90-deg. rotational pin locations. Tool mounting surfaces use the standard ISO 9409-1-50-4-M6 interface and M8 round plug.

# Teach or program in minutes

**NSR Devices software** installs on the UR teach pendant. Add NSR tools/devices and set speed, force, targets and other parameters with a few clicks in the interface.

Use the integrated **Freedrive button** for one-handed positioning to teach and set positions.

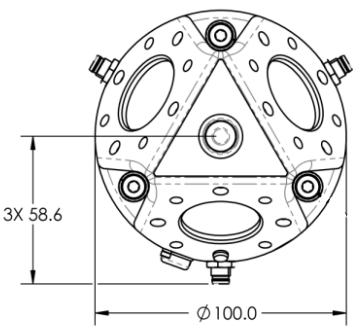
NSR Devices automatically builds device processes based on your settings - no need to manually insert multiple program nodes. Other smart features include dynamic adjustment of center of gravity depending on mass of object picked.

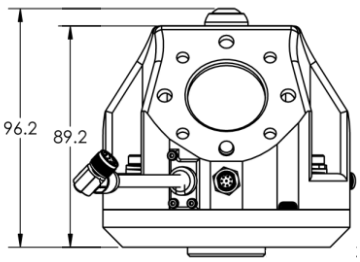
# Specifications

## NSR-MTM-3-URe – not including tools

| | | |
|---|---|---|
| Mass –with UR mounting plate and hardware | 470 grams | 1.04 lb |
| Current Draw @ 24 V (NSR-MTM-3 only) Consult tool documentation for current draw of specific tools | 0 – 0.4 Amps | |
| Operating Voltage | 22-26 Volts | |
| Temperature - Operating | 0 – 50 °C | 32 – 122 °F |
| Temperature - Storage | -30 – 60 °C | -22 – 140 °F |
| Humidity - Operating, Non-Condensing | 5 – 95 % | |
| IP Rating | 40 IP | |
| Agency Approvals | pending | |
| **NSR Tool Compatibility** | **NSR-PG gripper/caliper** | |
| **UR Robot Compatibility** | **e-Series UR3e, UR5e, UR10e** | |

Visit newscalerobotics.com for more specifications and drawings.






New Scale Robotics
**Call** +1 585 924 4450 **Email** NSRsales@newscalerobotics.com **www.newscalerobotics.com**