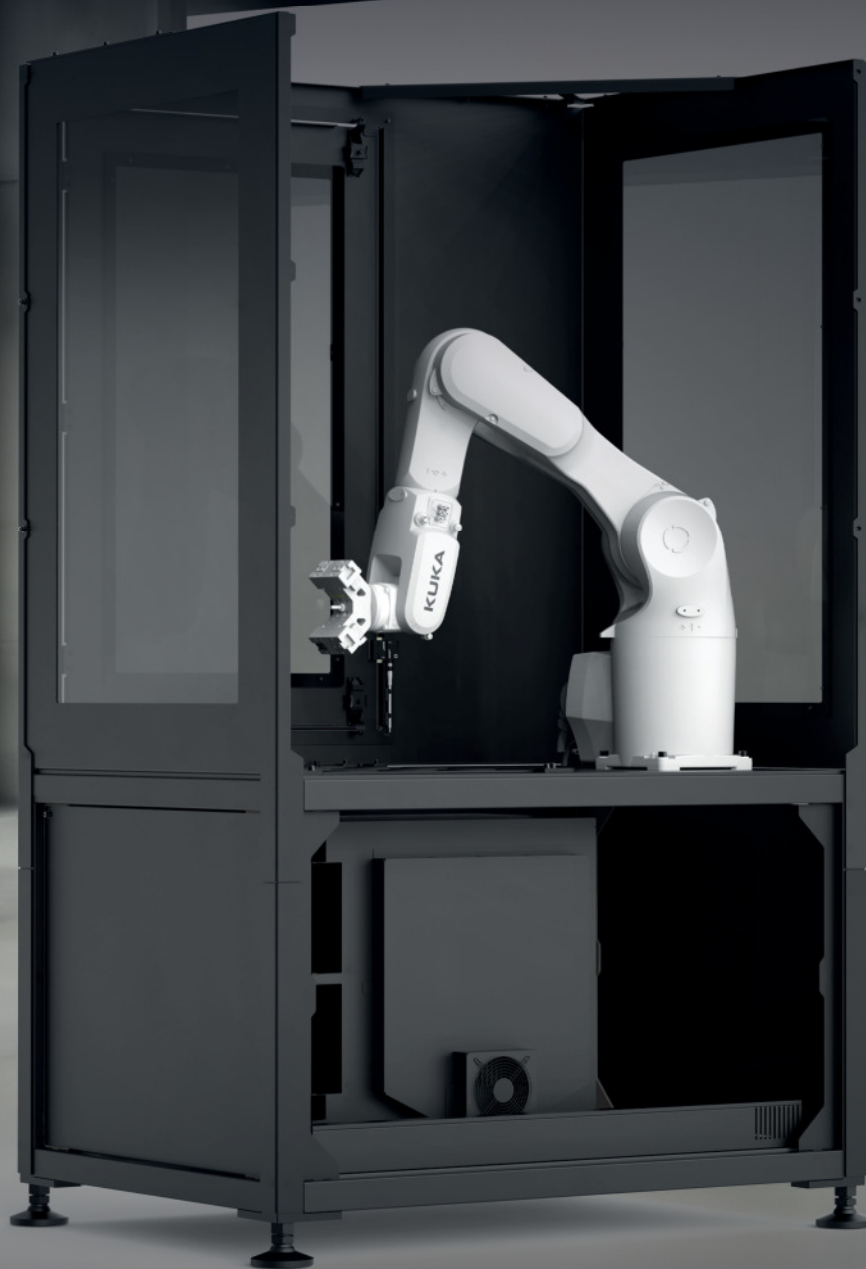


**MAGMA/CNC**

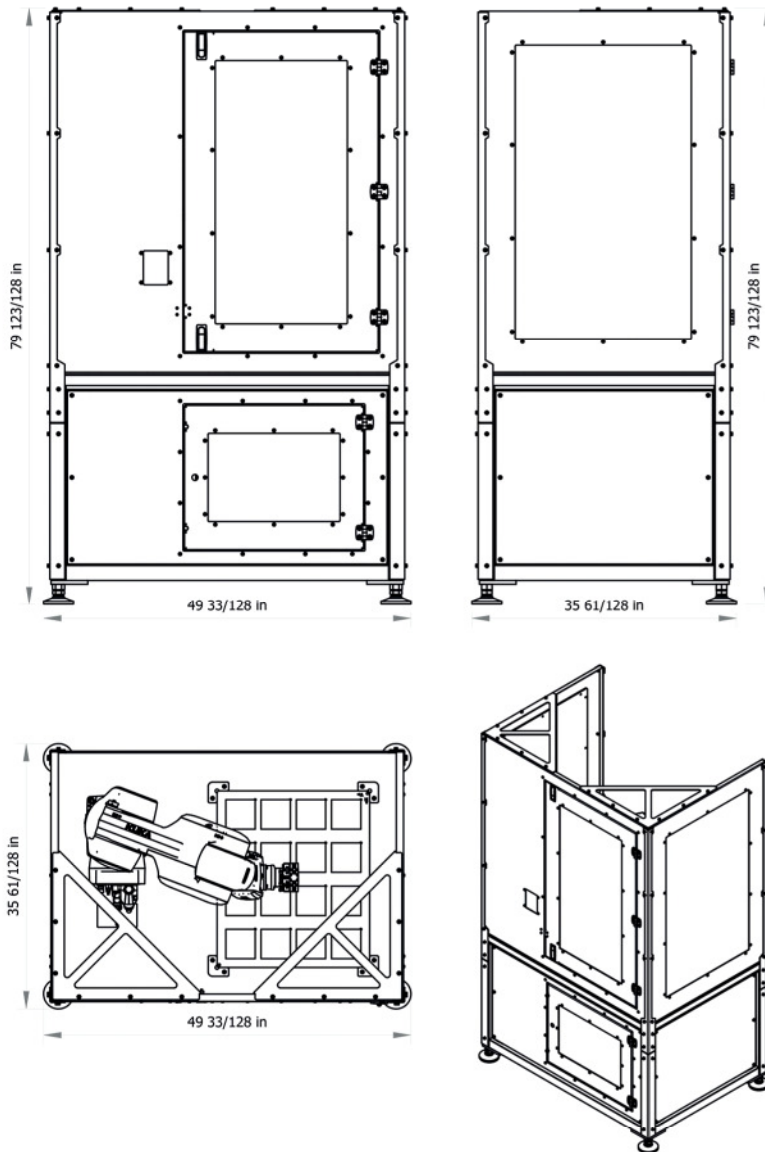
# THE R1



**Tending System**

**SYIL**

# R1 KUKA-Powered Machine Tending



## Technical Specifications

|                                    |                       |
|------------------------------------|-----------------------|
| Part weight max (lb)               | 6,61                  |
| Robot arm                          |                       |
| Payload (lb)                       | 14,77                 |
| Reach (in)                         | 35,47                 |
| IP level (arm wrist)               | IP65 IP67             |
| Pose repeatability (ISO 9283) (in) | ± 0.0008              |
| Robot tooling                      |                       |
| Parallel pneumatic gripper         | 1                     |
| Set of universal fingers           | 1                     |
| Cleaning nuzzles                   | 1                     |
| Stroke per jaw (in)                | 0,31                  |
| Closing force (lbf)                | 123,64                |
| Opening force (lbf)                | 137,13                |
| Material handling method           | Grid pattern          |
| Available space (in)               | 23.62 × 20.47 × 5.91  |
| Unit size (in)                     | 33.46 × 47.24 × 78.74 |
| Electrical requirement             | 200-240 VAC - 16 Amp  |
| Pneumatic requirement (psi)        | 90-120                |

### The R1 package includes:

- > Compact frame, with a flat table for handling materials
- > KUKA robot arm
- > Robot tooling

The cell is prepared for plug-and-play integration with a Siemens Sinumerik 828-equipped SYIL machine.

### Options

- > Work holding package
- > Dual gripper package
- > Auto door

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