

VERSABUILT ROBOTICS



Automation System
Spare Parts

Spare parts

Robots:

- P/N 5010050 - Universal Robot UR10e
- P/N 5011253 - Universal Robot UR20
- P/N 5012202 - Universal Robot UR30

VersaCart

- VersaCart 1300 (P/N 5012677)
- VersaCart 1700 (P/N 5013108)

VersaCart Infeed/Outfeed Top Sheets

- VersaCart 1300 Custom Infeed Ready Kit (P/N 5012485)
- VersaCart 1300 Standard SS Visual Infeed (P/N 5012183)
- VersaCart 1300 Oversized SS Visual Infeed (P/N 5010264)
- VersaCart 1700 Standard SS Visual Infeed (P/N 5013110)
- VersaCart 1700 Oversized SS Visual Infeed (P/N 5013158)

VersaCart Accessories

- Anchor Kit (P/N 5011095)
- Dual Safety Scanner Kit (P/N 5011597)

Spare parts

MultiGrip Gripper (P/N 5006205):

- P/N 5004036 - MG FJ Gripper, Fixed Finger (QTY: 1)
- P/N 5004037 - MG FJ Gripper, Floating Finger (QTY: 1)
- P/N 5004038 - MG FJ Gripper, Adapter Plate (QTY: 1)
- P/N 5004013 - Linear Shaft, 0.50 Dia (QTY: 2)
- P/N 5004014 - Flat Cylinder, 25mm Stroke x 40mm Equivalent Bore (QTY: 1)
- 5/32" (4mm) Polyurethane Tubing, Durometer 95A (Red, Blue)
- Fitting, L, 5/32" push-to-connect tube x 1/8 universal male thread (QTY: 2)

MultiGrip Vises:

- P/N 5010289 - MG Vise 4000 **standard vise*
- P/N 5011287 - MG Vise 4000 w/ Steel Top
- P/N 5009518 - MG Vise 2000
- P/N 5011288 - MG Vise 2000 w/ Steel Top

Hand Valves

- P/N 5008378 - Diverter (Auto/Man) 4 port, 2 position valve, lockable
- P/N 5009046 - Manual Vise Valve, 4 port, 3 position, center closed valve

Spare parts

MultiGrip OD Base Jaws

- MultiGrip Base Jaws, OD (P/N 5010220) - Base Jaws used with exchangeable Top Jaws (Swivel-Fixed)
- MultiGrip Base Jaws, OD (Fixed-Fixed) (P/N 5010398) - Base Jaws used with exchangeable Top Jaws (Fixed-Fixed)
- MultiGrip Jaws, OD, 1.5" H (P/N 5010221) - OD Fixed Jaws, 1.5" height
- MultiGrip Jaws, OD, 2.5" H (P/N 5010222) - OD Fixed Jaws, 2.5" height

MultiGrip OD Top Jaws

Swivel-Fixed Top Jaws:

- MultiGrip Top Jaw Set, 1.0" H (P/N 5006796) - 1.0" Exchangeable Top Jaws for OD Base Jaws (Swivel-Fixed)
- MultiGrip Top Jaw Set, 1.5" H (P/N 5002752) - 1.5" Exchangeable Top Jaws for OD Base Jaws (Swivel-Fixed)
- MultiGrip Top Jaw Set, 2.0" H (P/N 5006795) - 2.0" Exchangeable Top Jaws for OD Base Jaws (Swivel-Fixed)
- MultiGrip Top Jaw Set, 3.0" H (P/N 5009389) - 3.0" Exchangeable Top Jaws for OD Base Jaws (Swivel-Fixed)
- MultiGrip Top Jaw Set, Oversized, 1.5" H (P/N 5007394) - 1.5" Top Jaws 2" longer and 2" wider (Swivel-Fixed)

Fixed-Fixed Top Jaws:

- MultiGrip Top Jaw Set, 1.0" H (P/N 5010399) - 1.0" Exchangeable Top Jaws for OD Base Jaws (Fixed-Fixed)
- MultiGrip Top Jaw Set, 1.5" H (P/N 5010400) - 1.5" Exchangeable Top Jaws for OD Base Jaws (Fixed-Fixed)
- MultiGrip Top Jaw Set, 2.0" H (P/N 5010401) - 2.0" Exchangeable Top Jaws for OD Base Jaws (Fixed-Fixed)
- MultiGrip Top Jaw Set, 3.0" H (P/N 5010402) - 3.0" Exchangeable Top Jaws for OD Base Jaws (Fixed-Fixed)

Spare parts

MultiGrip ID Jaws

- MultiGrip Jaws, ID, 1.5" H (P/N 5007344) - ID Fixed Jaws, 1.5" height
- MultiGrip Jaws, ID, 2.5" H (P/N 5005782) - ID Fixed Jaws, 2.5" height
- MultiGrip Jaw ID Setup Fixture (P/N 5007434) - Fixture used when machining ID jaw pockets

MultiGrip Pallet

- MultiGrip Pallet Base Jaws (P/N 5010770) - MultiGrip Base Jaws with features for picking MultiGrip Pallets
- MultiGrip Pallet, 6 x 8" (P/N 5010127) - Pallet with features on bottom side to be picked by MultiGrip Pallet Base Jaws

Universal Jaw Products

- Universal Top Jaws (P/N 5007070) - Hard Anodized Top Jaw set mating with OD Base Jaws
- VersaBites, 3/16" (P/N 5009679) - Hardened Steel with 3/16" z-depth, mating with Universal Top Jaws
- VersaBites, 1/8" (P/N 5009847) - Hardened Steel with 1/8" z-depth, mating with Universal Top Jaws
- Machinable VersaRails (P/N 5009630) - 6061-T6 Aluminum workholding, mating with Universal Top Jaws

SingleGrip OD Jaws

- SingleGrip Jaws, OD, 1.0" H (P/N 5010309) - OD Jaws for Hand Load or Robot Part Load, 1.0" Height
- SingleGrip Jaws, OD, 1.5" H (P/N 5010310) - OD Jaws for Hand Load or Robot Part Load, 1.5" Height
- SingleGrip Jaws, OD, 2.5" H (P/N 5010311) - OD Jaws for Hand Load or Robot Part Load, 2.0" Height

Spare parts

Versawash

- P/N 5001218 - Little Giant Pump (Amazon #B094LL1TPW)
- P/N 5010387 - Remote Power Unit
- P/N 5001210 - Filter Bag, 600 Micron (McMaster-Carr #2514K28)
- P/N 5011675 - Welded Bucket
- P/N 5010160 - Adjustable Drip Tray
- P/N 5010162 - Adjustable Drip Tray Extender
- P/N 5001379 - Locking Hinge (McMaster-Carr #1604A43)

Miscellaneous Accessories:

- P/N 5010283 - MultiGrip Calibration Jaws
- P/N 5005337 - Magnet, 1.5" L
- P/N 5008920 - Magnet w/ Eyebolt, 1.26" dia
- P/N 5002202 - Y-Push Tool
- P/N 5002394 - Rubber-End Z-Push Tool
- P/N 5011101 - Spring Loaded Z-Push Tool
- P/N 5009116 - MultiGrip Jaw Load Tool
- P/N 5009641 - VSC Enable Button
- P/N 5008970 - T-Clamp

Spare parts

DuoGrip 400 (P/N 5009899):

- P/N 5009895 - DuoGrip 400 Gripper Base Finger (QTY: 4)
- P/N 5009897 - DuoGrip 400 Gripper Mount Block (QTY: 1)
- P/N 5010537 - DuoGrip 400 Gripper Puck Finger, Male (QTY: 2)
- P/N 5010538 - DuoGrip 400 Gripper Puck Finger, Female (QTY: 2)
- P/N 5000645 - Gripper, 20mm centering stroke (QTY: 2)
- 5/32" (4mm) Polyurethane Tubing, Durometer 95A (Red, Blue, Black, White/Clear)
- Fitting, L, 5/32" push-to-connect tube x 10-32 male thread (QTY: 4)

DuoGrip 2000 (P/N 5012619):

- P/N 5012630 - DuoGrip 2000 Gripper Base Finger (QTY: 4)
- P/N 5012615 - DuoGrip 2000 Gripper Mount Block (QTY: 1)
- P/N 5012731 - DuoGrip 2000 Gripper Puck Finger, Male (QTY: 2)
- P/N 5012948 - DuoGrip 2000 Gripper Puck Finger, Female (QTY: 2)
- P/N 5012819 - DuoGrip 2000 Large Puck Finger (QTY: 4)
- P/N 5012457 - Schunk Gripper, 25mm centering stroke (QTY: 2) - Schunk P/N JGP-P 125-1-AS
- 5/32" (4mm) Polyurethane Tubing, Durometer 95A (Red, Blue, Black, White/Clear)
- Fitting, L, 5/32" push-to-connect tube x 10-32 male thread (QTY: 4)

Spare parts

DuoGrip Gripper Bolt-on Accessories for Puck Picking (P/N 5011832):

Spacers:

- PLASTIC SPACER, UNTHREADED, 5.3 ID X 10 OD x 15mm L – McMaster-Carr # 93657A537
- PLASTIC SPACER, UNTHREADED, 5.3 ID X 10 OD x 25mm L – McMaster-Carr # 93657A093
- Aluminum SPACER, UNTHREADED, 5.3 ID X 10 OD x 8mm L – McMaster-Carr # 94669A077
- Aluminum SPACER, UNTHREADED, 5.3 ID X 10 OD x 15mm L – McMaster-Carr # 94669A338
- Aluminum SPACER, UNTHREADED, 5.3 ID X 10 OD x 25mm L – McMaster-Carr # 94669A093
- M5 Rubber Washer – McMaster-Carr # 90133A021

Fasteners:

- M5x0.8 SHCS x 12mm L Black-Oxide Steel – McMaster-Carr # 91290A228
- M5x0.8 SHCS x 12mm L Nylon – McMaster-Carr # 93640A133
- M5x0.8 SHCS w/ low-profile head x 12mm L Black-Oxide Steel – McMaster-Carr # 93070A123
- M5x0.8 Headless Shoulder Bolt, 6.5mm Shoulder Dia x 12mm L – McMaster-Carr # 94128A115
- M5x0.8 BHCS x 30mm L Steel – McMaster-Carr # 91239A236
- M5x0.8 BHCS x 25mm L Steel – McMaster-Carr # 91306A669

Spare parts

Shaft Fingers & Shaft Infeed (P/N 5011159):

- P/N 5010371 - Lathe Shaft Infeed
- P/N 5009986 - Lathe Shaft Infeed U-Channel
- P/N 5010341 - Lathe Shaft Infeed Channel Mount
- P/N 5011157 - Lathe Finger Set for DuoGrip Gripper
- P/N 5008318 - Shaft Finger L-Bracket, DuoGrip 400
- P/N 5012709 - Shaft Finger L-Bracket, DuoGrip 2000
- P/N 5011182 - Shaft 1" Calibration Finger
- P/N 5011187 - Shaft 1" Calibration Part
- P/N 5011204 - Shaft Finger A
- P/N 5011205 - Shaft Finger B
- P/N 5011206 - Shaft Finger C

Spare parts

VersaBuilt System Controller, VSC 1.0 (P/N 5007942):

- DIRECTIONAL CONTROL VALVE, DOUBLE SOLENOID, SIZE 10, 5 PORT, 3 POSITION, CENTER EXHAUST M7 AIR CONNECTION, H2 ELECTRICAL CONNECTION, 24VDC, MANUAL OVERRIDE PUSH-IN/DETENTING, LED DISPLAY - FESTO 564212 (VUVG-L10-P53E-T-M7-H2L)
- DIRECTIONAL CONTROL VALVE, 5 PORT 2 POSITION, VALVE SIZE 10, M52 5/2 Way M7 Air Connection, H2 Electrical Connection, Internal Pilot 24VDC, Manual Override Push In / Detenting, LED Display - FESTO 577333 (VUVG-L10-M52-RT-M7-1H2L)
- MANIFOLD COVER PLATE - FESTO VABB-L1-10-S
- SEAL KIT, VABD, VUVG VALVES - FESTO VABD-L1-10X-S-M7 #566673
- VALVE MANIFOLD, 7 POS - FESTO 566563 (VABM-L1-10S-G18-7)
- FINDER RELAY BLUE, 24VDC, 1 SLICE (QTY: 1) - Beyond Components 38.51.7.024.0050
- RASPBERRY PI 4, MODEL B 2019, QUAD CORE 64 BIT WIFI BLUETOOTH (4GB)
- DIGITAL INPUT MODULE, I2C OPTO 15-30V PCF8574 - ERE I2C-IN830M0
- DIGITAL OUTPUT MODULE, OPEN COLLECTOR, I2C OC PCF8574A - ERE I2C-OC805SA
- 24V TO 5V DC-DC CONVERTER - AMAZON B01M03288J
- 1/4" Polyurethane Tubing, Durometer 95A (Red, Blue, Black, White/Clear, Yellow, Green)
- 5/32" (4mm) Polyurethane Tubing, Durometer 95A (Red, Blue, Black, White/Clear)
- Fitting, L, 1/4" push-to-connect tube x 1/8" NPT (QTY: 6)
- Fitting, Straight, 1/4" push-to-connect tube x 1/8" NPT (QTY: 1)
- Fitting, Straight, 1/4" push-to-connect tube x 1/4" Swift-Fit (QTY: 1)

Spare parts

VersaBuilt System Controller, VSC 2.0 (P/N 5015189):

- RASPBERRY PI 4, MODEL B 2019, QUAD CORE 64 BIT WIFI BLUETOOTH (4GB)
- FESTO VTUX MANIFOLD/MODULE
 - 24x 24VDC DIGITAL INPUTS / 8x 24VDC DIGITAL OUTPUTS
 - 0.25" SUPPLY AIR PORT
 - 0.25" EXTERNAL PILOT AIR PORT
 - 5/32" WORKING PORTS (VALVE OUTPUTS)
 - SYSTEM CONFIGURATIONS SHOWN ON THE FOLLOWING PAGE
 - 8 VALVE MANIFOLDS:
 - VALVES 1 THROUGH 4 INCLUDE SEPARATE SUPPLY PORT THAN VALVES 5 THRU 8
- 4 CHANNEL RELAY BOARD (AMAZON #B0BXP1GBFK)
- ETHERNET SWITCH (AMAZON #B0148J50EY)
- ROUTER (AMAZON #B073TSK26W)
- 8A, 4 USB POWER SUPPLY MODULE (AMAZON #B07BGYNVVP)
- POWER SUPPLY (AMAZON #B01GC6VS8I)

Spare parts

- **VSC 2.0 FESTO VTUX MANIFOLD/MODULE CONFIGURATIONS**

- **ZPS UNIT:** VTUX-A-P-APA-ZR-SLJLAX-USKGKK-XLRV4AXR / 70E-EPAJQPAJ-X

- VALVE 1 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 2 = 5 PORT 3 POSITION CENTER POSITION
- VALVE 3 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 4 = 5 PORT 3 POSITION EXHAUST CENTER POSITION

- **MULTIGRIP UNITS:** VTUX-A-P-APA-ZR-SLJLAX-USKGAKUSGGKG-XLRV4AURV4AXR / 70E-EPAJQPAJ-X

- VALVE 1 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 2 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 3 = 5 PORT 2 POSITION, SPRING RETURN
- VALVE 4 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 5 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 6 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 7 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 8 = 5 PORT 3 POSITION CLOSED CENTER POSITION

- **DUOGRIP UNITS:** VTUX-A-P-APA-ZR-SLJLAX-USKGAKUSGGKG-XLRV4AURV4AXR / 70E-EPAJQPAJ-X

- VALVE 1 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 2 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 3 = 5 PORT 2 POSITION, SPRING RETURN
- VALVE 4 = 5 PORT 3 POSITION EXHAUST CENTER POSITION
- VALVE 5 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 6 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 7 = 5 PORT 3 POSITION CLOSED CENTER POSITION
- VALVE 8 = 5 PORT 2 POSITION, SPRING RETURN

Spare parts

Auto Door:

- P/N 5007494 - VersaDoor, 24"
- P/N 5006080 - VersaDoor, 30"
- P/N 5006549 - VersaDoor, 40"
- P/N 5007619 - VersaDoor, 24" Double
- P/N 5007621 - VersaDoor, 30" Double
- P/N 5010762 - VersaDoor, 40" Double
- P/N 5007633 - VersaDoor Sensor Kit, M8 Cables
- P/N 5006175 - VersaDoor L-Bracket
- P/N 5007565 - 24" Actuator
- P/N 5006557 - 30" Actuator
- P/N 5006551 - 40" Actuator
- P/N 5007632 - Cylinder Sensor and Bracket for Actuator
- 1/4" Polyurethane Tubing, Durometer 95A
- Fitting, Straight, 1/4" push-to-connect tube x 1/8 Universal Thread/Swift-Fit (QTY: 2)

Vendors:

- The fittings are purchased from a distributor of AIGNEP fittings
- The tubing is purchased from Freelin-Wade, Festo, McMaster-Carr

Any questions or if items are not listed above, please contact VersaBuilt via sales@versabuilt.com

VERSABUILT ROBOTICS