

VASI Electric Hands for Children



VASI Hands shown with Short Friction Wrist

- Sizes to fit children from 0 to 11 years of age
- Five wrist options
- Wider opening hands
- Cookie Crusher or Two-Site Control available
- Proportional control option
- Kit converts V59 to V711 so hand “grows” with child

The VASI series of electric hands, known for their quality and reliability have been designed for limb-deficient children in the zero to eleven year age range. The V 0-3, V 2-6, V 5-9, V 7-11 hands are aesthetic and light weight yet can withstand the rigors of child play because of injection molded construction techniques. All four VASI hands are compatible with the most popular switch and myoelectric control systems from VASI and LTI. Connection is made easy with the commonly used Otto Bock 4-pin type connectors. Standard rotation wrists allow the hand to be passively positioned. A wide variety of other wrist units are available including: friction wrists, FlexiWrists, and OmniWrists as well as a powered wrist rotator.

The totally modular design simplifies assembly and maintenance. All electronic components are packaged to permit economical repair or replacement. Similarly, the integrated motor and gear housing can be easily removed and replaced if necessary.

Several control options are offered including integrated power-bridge and energy-saver circuits that allow the prosthetist to customize the hand to suit the child's needs. One or two-muscle fixed speed and two-muscle proportional speed control are now offered as standard strategies through a new programmable circuit. For those who prefer to try different control strategies, the new Single Programmable Module (SPM) provides this flexibility. This universal microprocessor-based circuit board fits all four size hands. Since these circuits can be reprogrammed, the control strategy can be modified to suit the user as they develop. Control options include; one-site, parental access switch, two-site, alternate, proportional speed and digital (on/off) control. These circuits accept signals from; analog electrodes, Touch Pads™ and switches. These hands are also compatible with LTI's Programmable VariGrip Controllers which further increase the control options available to the prosthetist.

The Pre-programmed (VXXPX version hands) configurations are:

M1	1 site, 1 function, digital control (cookie cruncher), fixed speed
M2	1 site, 2 function, level sensitive (3-state) fixed speed
M3	1 site, 2 function, rate sensitive variable speed
M4	2 site, 2 function, level sensitive variable speed
M5	2 site, 2 function, level sensitive fixed speed
M6	1 site, 2 function, rate sensitive fixed speed
M7	1 site, alternate control, fixed speed
M8	1 site, alternate control, variable speed

* When ordering a pre-programmed hand, select a control configuration from the list above (M1-M8), default M4.

0-3 Hands



VO3EL	0-3 SPM Electric Hand, no circuit - left (shown)	glove GV03L-CC
VO3ER	0-3 SPM Electric Hand, no circuit - right	glove GV03R-CC
VO3VL	0-3 SPM Programmable Hand - left	glove GV03L-CC
VO3VR	0-3 SPM Programmable Hand - right	glove GV03R-CC
VO3PL	0-3 SPM Pre-programmed* Hand - left	glove GV03L-CC
VO3PR	0-3 SPM Pre-programmed* Hand - right	glove GV03R-CC

VASI Electric Hands for Children

2-6 Hands



- | | |
|---|----------------|
| V26EL 2-6 SPM Electric Hand, no circuit - left (shown) | glove GV26L-CC |
| V26ER 2-6 SPM Electric Hand, no circuit - right | glove GV26R-CC |
| V26VL 2-6 SPM Programmable Hand – left | glove GV26L-CC |
| V26VR 2-6 SPM Programmable Hand - right | glove GV26R-CC |
| V26PL 2-6 SPM Pre-programmed* Hand - left | glove GV26L-CC |
| V26PR 2-6 SPM Pre-programmed* Hand - right | glove GV26R-CC |

5-9 Hands



- | | |
|---|----------------|
| V59EL 5-9 SPM Electric Hand, no circuit - left (shown) | glove GV59L-CC |
| V59ER 5-9 SPM Electric Hand, no circuit - right | glove GV59R-CC |
| V59VL 5-9 SPM Programmable Hand - left | glove GV59L-CC |
| V59VR 5-9 SPM Programmable Hand - right | glove GV59R-CC |
| V59PL 5-9 SPM Pre-programmed* Hand - left | glove GV59L-CC |
| V59PR 5-9 SPM Pre-programmed* Hand - right | glove GV59R-CC |

7-11 Hands



- | | |
|--|-----------------|
| V711EL 7-11 SPM Electric Hand, no circuit - left | glove GV711L-CC |
| V711ER 7-11 SPM Electric Hand, no circuit - right | glove GV711R-CC |
| V711VL 7-11 SPM Programmable Hand - left | glove GV711L-CC |
| V711VR 7-11 SPM Programmable Hand - right | glove GV711R-CC |
| V711PL 7-11 SPM Pre-programmed* Hand - left | glove GV711L-CC |
| V711PR 7-11 SPM Pre-programmed* Hand - right | glove GV711R-CC |

*When ordering a pre-programmed hand, select a control configuration from the list on page 2-1 (M1-M8)
If no control configuration is specified, the system will be supplied as M4.*

To accommodate children as they grow, VASI 5-9 hands can be upgraded to a VASI 7-11 hand with a **Growth Kit**. This kit contains the 7-11 thumb, fingers and a new inner cosmetic shell. Order an appropriate new glove also.



- | | |
|---|-----------------|
| V711GRL - 7-11 Growth Kit 5-9 to 7-11 - left (shown) | glove GV711L-CC |
| V711GRR - 7-11 Growth Kit 5-9 to 7-11 - right | glove GV711R-CC |

VASI Electric Hands for Children

For VASI wrists, see the **Wrist Options** section 3 of the catalog. Wrist choices can be specified by adding a suffix code to the VASI Hand part number (i.e. V03LC **XX**). Replace the **XX** with one of the following wrist codes:

NW- no wrist
FW- FlexiWrist
OM- OmniWrist
FR- Friction Wrist
SF- Short Friction Wrist
SR- Short Round Wrist
SO- Short Oval Wrist

For VASI glove color options, use Otto Bock color swatches. When ordering gloves, select a color and replace the glove **-CC** suffix with the appropriate glove color code (i.e. GV03-02).

-02 Extra Light Caucasian	(previously -11)
-08 Rudy Caucasian	(previously -24)
-06 Medium Caucasian	(previously -25)
-04 Light Caucasian	(previously -30)
-11 Native American	(previously -37)
-12 Latino	(previously -52)
-13 Light Negroid	(previously -60)
-15 Medium Negroid	(previously -64)
-16 Dark Negroid	(previously -73)

Note: When ordering the hands shown above, you must also specify:

- 1) the wrist type (-XX) preferred, see Section 3
- 2) glove(s)
- 3) required cables and connectors
- 4) battery & charger
- 5) optional parental activation switch (V3124)

VASI Hand Accessories



V3124 Parental Activation Switch (“Mommy switch”) with cable



VSPM11 VASI Single Programming Module, preprogrammed
Requires VSPM13 and MyoAssistant software for clinician adjustment



VSPM12 VASI Single Programming Module, programmable
Requires VSPM13 and MyoWizard/MyoAssistant software for clinician programming



VSPM013 Interface Kit for VASI SPM Hand Controllers



PVG12 Programmable VariGrip Multi-device Controller, two devices
For use on systems with VASI electric hands and VASI wrist rotators