

LIST OF ABBREVIATIONS

Description	Parameter
Two-Dimensional	2D
Three-Dimensional	3D
3D printing	3DP
Ankle Foot Orthotic	AFO
Acrylonitrile Butadiene Styrene	ABS
Additive Manufacturing	AM
Alternating Current	AC
Aluminum	Al
Ankle Disarticulation	AD
Assistance to Disabled Persons for Purchase	ADIP
Carbon Fiber	C
Carbon Fiber Reinforced Composite	CFRC
Carbon Fiber Reinforced Plastic	CFRP
Ceramic Matrix Composites	C.M.C
Cerebral Palsy	CP
Cervical Orthotic	CO
Center Of Mass	COM
Cervical Thoracic Lumbar Sacral Orthotic	CTLSO
Coefficient of Thermal Expansion	CTE
Computer Aided Design	CAD
Computer Aided Manufacturing	CAM
Computer Numerical Control	CNC
Conventional Manufacturing	CM
Corporate Social Responsibility	CSR
Cross Section	C/S
Design for Assembly	DFA

Description	Parameter
Design for Manufacturing	DFM
Direct Current	DC
District Disability Rehabilitation Centres	DDRC
Elbow Disarticulation	ED
Elbow Orthotic	EO
Elbow Wrist Hand Orthotic	EWHO
Electron Beam Melting	EBM
Endoscopic Endonasal Approach	EEA
Factor of Safety	FOS
Fiber Reinforced Plastics	FRP
Finger Orthotic	FO
Finite Element Method	FEM
Finite Element Analysis	FEA
Fused Deposition Modeling	FDM
Geometric Dimensioning and Tolerancing	GD&T
Gross Motor Function Classification System	GMFCS
Hand Orthotic	HO
High Density Polyethylene	HDPE
High Impact Polystyrene	HIPS
Hip Disarticulation	HD
Hip Knee Ankle Foot Orthotic	HKAFO
Knee Ankle Foot Orthotic	KAFO
Knee Disarticulation	KD
Knee Orthotic	KO
Laser Engineered Net Shaping	LENS
Low Density PolyEthylene	LDPE
LumboSacral Orthotic	LSO
Multi Axial Foot Mechanism	MAFM
Moment of Inertia	M.I.
Magnetic Resonance Imaging	MRI

Description	Parameter
Metal Matrix Composites	M.M.C
Non-Governmental Organization	NGO
North-East	NE
Nylon 6/6	N
Original Equipment Manufacturer	OEM
Personal Computer	PC
Poly Lactic-co-Glycolic Acid	PLGA
Poly Methyl Meth Acrylate	PMMA
Polyamide	PA
Polycaprolactone	PCL
Poly-Ether-Ether-Ketone	PEEK
PolyEthylene	PE
Poly-Ethylene Terephthalate	PET
Poly-Ethylene Terephthalate Glycol	PETG
Poly-Lactic Acid	PLA
Polymer Matrix Composites	PMC
Poly-Oxy-Methylene	POM
Poly-Propylene	PP
Poly-Urethanes	PU
Poly-Vinyl Alcohol	PVA
Prosthetics and Orthotics	P&O
Secure Digital	SD
Selective Laser Sintering	SLS
Selective Laser Melting	SLM
Shoulder Disarticulation	SD
Shoulder Orthotic	SO
Solid Ankle Cushioned Heel	SACH
South-East	SE
Stainless Steel	SS
Standard Tessellation Language	STL

Description	Parameter
Stereolithography	SLA
Thermo-Plastic Elastomers	TPE
Thermoplastic Poly-Urethane	TPU
Thoracic Lumbo-Sacral Orthotic	TLSO
Three Dimensional	3D
Titanium	Ti
Trans-Femoral	TF
Trans-Humeral	TH
Trans-Radial	TR
Trans-Tibial	TT
Ultra-High Molecular Weight Poly-Ethylene	UHMWPE
Ultra-Violet	UV
United States	US
Vacuum Resin Transfer Molding	VRTM
Variable Impedance Prosthetic	VIPr
Vertical Milling Center	VMC
Virtual Desktop Infrastructure	VDI
Wrist Disarticulation	WD
Wrist Hand Orthotic	WHO