

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-401
Item to be Scouted	Motorized Step Stool, Surgical Applications
Days to be scouted	21
Response Due By	01/08/2025
Description	A Montana company seeks a Contract Manufacturer (CM) to produce a patented platform that raises and lowers surgeons during surgical procedures. We'd like to identify a CM with a Turn-Key Approach, to handle supply chain / procurement of all materials, Full Assembly, QA / QC, and Bulk Shipping.
Notify Requester Immediately	No
State item to be used in	Montana

Section 2: Technical Information

Type of supplier being sought	Contract manufacturer
Reason	New product startup
Describe the manufacturing processes (elaborate to provide as much detail as possible)	"Design includes Injection Molding Sheet Metal (Laser, Bent) Coating / Painting PCB Fabrication (4 Layer, Rigid), PCBA Assembly (Pick and Place, Wave) Cable / Harness Fabrication (Crimp) PCBA Programming Off-Shelf Component Sourcing Overall Supply Chain Management Sub-Assembly Final Assembly Product Packaging QA / QC"
Provide dimensions / size / tolerances / performance specifications for the item	Full Design Package will be required to define this. We'll put the two companies in contact with one another and they can deliver more info.
List required materials needed to make the product, including materials of product components	See Attachment (note that this is an approximate example and subject to change)
Are there applicable certification requirements?	Yes
Certification(s) required	cGMP ,ISO 13485
Details	IEC 60601 IEC 61000 ISO 13485 (Manufacturer must meet this requirement) FDA CRF Title 21 (Manufacturer must meet GMP standards)
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes

Details	Yes, not applicable to manufacturing, unless manufacturing offers regulatory testing (FCC, CE, ISO 60601, ISO 60000, etc)
NAICS 1	
NAICS 2	
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	Year 1: 250 Year 2: 250+ Year 3: 500+
Estimated target price / unit cost information (if unavailable explain)	Best available, acceptable pricing is to be determined in negotiation.
When is it needed by?	Launching Q2 - Q3 2025
Describe packaging requirements	Cardboard with inserts at corners Not yet designed
Where will this item be shipped?	Montana, with consideration for distribution options from manufacturers

Additional Comments

Is there other information you would like to include?	
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KEY Y	
Purchase From Mcmaster	
Purchase From 80- 20	
Purchase Elsewhere	

	Telescoping Panels
	Telescoping Panels
Top Panel Assembly	Top Panel Assembly
	Top Panel Assembly
	Top Panel Assembly
	Top Panel Assembly
Scissor Lift Frame Assembly	Scissor Lift Frame Assembly
	Scissor Lift Frame Assembly

	Scissor Lift Frame Assembly
	Scissor Lift Frame Assembly
	Scissor Lift Frame Assembly
Bottom Plate Assembly	Bottom Plate Assembly
	Bottom Plate Assembly
	Bottom Plate Assembly
	Bottom Plate Assembly
	Bottom Plate Assembly

	Bottom Plate Assembly
	Bottom Plate Assembly

CAD PN	Mcmaster / OEM PN	OEM
M03D003A	92095A287	Mcmaster
90131A625	90131A625	Mcmaster
90101A007	90101A007	Mcmaster
93650a100	93650a100	Mcmaster
93580A016	93580A016	Mcmaster
93090A571	93090A571	Mcmaster

91294a125	91294a125	Mcmaster
9600k319	9600k319	Mcmaster
8020-3705	https://8020.net/3705.html	80-20
DL007A	91253A266	Toolbox Part
DL008A	91263A544	Toolbox Part
BM004A	92949a337	Toolbox Part
8020-3204	https://8020.net/3204.html	80-20
ED009A	92949A834	Toolbox Part

6338K413	6338K413	Mcmaster
DL006A	91263A542	Toolbox Part
ED006A	91306A373	Toolbox Part
EH000A	95462A029	Toolbox Part
8020-3705	https://8020.net/3705.html	80-20
95185A190	95185A190	Mcmaster
95185A200	95185A200	Mcmaster
8020-3681	https://8020.net/20-3681.html	80-20

96439a540	96439a540	Mcmaster
91075A022	91075A022	Mcmaster
AD002A	91306A711	Toolbox Part
7566K103	7566K103	Mcmaster
EB114A	92196A305	Toolbox Part
ED007A	92949A833	Toolbox Part
ED008A	91306A375	Toolbox Part
EA112A	91247A548	Toolbox Part

EA212A	91247A553	Toolbox Part
47065T268	47065T268	Mcmaster
AC005A	91263A136	Toolbox Part
95185A200	95185A200	Mcmaster
99512A645	99512A645	Mcmaster
AB010A	90128A107	Toolbox Part
DM004A	91306A352	Toolbox Part
DM005A	91306A272	Toolbox Part

DB006A	91306A322	Toolbox Part
BP000E	90480A007	Toolbox Part
AP000A	90480A005	Toolbox Part
LPC 280 CTP	https://www.mouser.com/Product/Detail/VCC/LPC_028_CTP?qs=%2FvU7ivDUWU9DvLLHJSVL7Q%3D%3D&srsId=AfmBOorXJ6QvaOkHqElrpuircFZxHhJ5JA0uoGGQoMSzJA21GGricOR3	VCC
99512A516	99512A516	Mcmaster
6421K33	6421K33	Mcmaster
93505A440	93505A440	Mcmaster

99512A613	99512A613	Mcmaster
92949A141	92949A141	Mcmaster
94459A280	94459A280	Mcmaster
7566K103	7566K103	Mcmaster
AD002A	91306A253	Toolbox Part
99512A644	99512A644	Mcmaster
ED008A	91306A375	Toolbox Part

ED006A	91306A373	Toolbox Part
99512A629	99512A629	Mcmaster

Descripti on	Funtion	Process	QTY (1 Unit)	QTY (5 Units)
M3x.5 Course BHCS x 3mm long	Connects front and rear telescoping panels	Purchased & Installed	8	40
Abrasion- Resistant Cushioning Washerfor Number 10 Screw Size, 0.203" ID, 0.406" OD	Cushions connection between front and rear telescoping panels	Purchased & Installed	8	40
18-8 Stainless Steel Thin Nylon-Insert Locknut 6-32 Thread Size	secures telescoping panels to frame bracketry and connects lower rear and front panels together	Purchased & Installed	28	140
Moisture- Resistant Cushioning Washer for Number 6 Screw Size, 0.141" ID, 0.25" OD	cushions connection between telescoping panel and frame brackerty	Purchased & Installed	28	140
Press-Fit Studs Steel, 6-32 Thread, 3/8" Long, PEM® Fh632-6	stud pressed into exterior of telescoping panels	Installed by sheet metal manufacturer	28	140
Press-Fit Threaded Standoffs with Closed End, 18-8 Stainless Steel, 4.2mm OD, 6mm Long	female pem stud, creates connection point for telescoping spacer mechanisms	Installed by sheet metal manufacturer	56	280

Black-Oxide Alloy Steel Hex Drive Flat Head Screw 90 Degree Countersink Angle, M3 x 0.50 mm Thread, 5 mm Long	connects to 93090A571 to secure telescoping spacers	Purchased & Installed	48	240
EPDM Push-In Grommet for 7/8" Hole Diameter, 5/16" High	cable guard grommet, CUT IN HALF	Purchased & Installed	2	10
10 Series 10-32 Standard Slide-in T-Nut	connects top plate to frame	Purchased & Installed	8	40
socket countersunk head cap screw, #10-32 UNF FHCS X 0.4375 LONG, GR 5 - ZINC	connects top plate to frame	Purchased & Installed	4	20
socket countersunk head cap screw, #10-32 UNF FHCS X 0.5 LONG, GR 5 - ZINC	connects top plate to frame	Purchased & Installed	8	40
socket button head cap screw, #6-40 UNF BHCS X 0.25 LONG, GR 5 - ZINC	connects TOF target to top plate	Purchased & Installed	4	20
				0
10 Series 1/4-20 Standard Slide-in T-Nut	connects brackets to 80-20 frame	Purchased & Installed	20	100
socket button head cap screw, 1/4-20 UNC BHCS X 0.5625 LONG, GR 5 - ZINC	connects scissor arms to fram and brackets to frame		15	75

Oil-Embedded 841 Bronze Flanged Sleeve Bearing for 1/4" Shaft Diameter and 3/8" Housing ID, 1/2" Long	sleeve for pivoting in weldment		16	80
socket countersunk head cap screw, #10-32 UNF FHCS X 0.375 LONG, GR 5 - ZINC	countersunk screws for C track		12	60
socket button head cap screw, 1/4-20 UNC BHCS X 0.375 LONG, GR 5 - ZINC			10	50
Hex nut, 1/4-20 UNC HEX NUT, GR 5 - ZINC			9	45
10 Series 10-32 Standard Slide- in T-Nut	T nuts for frame connection		6	30
Zinc-Plated Steel Press-Fit Nut for Sheet Metal 10-32 Thread Size, for 0.056" Minimum Panel Thickness	press fit nuts for frame bracketry	Installed by sheet metal manufacturer	6	30
Zinc-Plated Steel Press-Fit Nut for Sheet Metal 1/4"-20 Thread Size, for 0.056" Minimum Panel Thickness		Installed by sheet metal manufacturer	6	30
10 Series Standard End Fastener Clip			4	20

18-8 Stainless Steel Press-Fit Nut for Sheet Metal 10-32 Thread Size, for 0.056" Minimum Panel Thickness		Installed by sheet metal manufacturer	4	20
Male-Female Threaded Hex Standoff 18-8 Stainless Steel, 3/8" Hex, 7/8" Long, 10-32 to 10-32 Thread	Hex standoff, connects frame bracket to top plate		4	20
socket button head cap screw, #4-40 UNC BHCS X 0.188 LONG, GR 5 - ZINC			4	20
Cable Tie Mount Screw-In, for 0.20" x 0.06" Tie and Number 4 Screw Size, Black			4	20
socket head cap screw, 1/4-20 UNC SHCS X 1.875 LONG, GR 5 - ZINC			4	20
socket button head cap screw, 1/4-20 UNC BHCS X 0.4375 LONG, GR 5 - ZINC			3	15
socket button head cap screw, 1/4-20 UNC BHCS X 0.5 LONG, GR 5 - ZINC			3	15
bolt, 1/4-20 UNC HHCS X 1.75 LONG, GR 5 - ZINC			4	20

Bolt, 1/4-20 UNC HHCS X 2.75 LONG, GR 5 - ZINC			2	10
Tie Cable Holder for 1" High Single Rail T-Slotted Framing			2	10
socket countersunk head cap screw, #4-40 UNC FHCS X 0.3125 LONG, GR 5 - ZINC			2	10
				0
Zinc-Plated Steel Press-Fit Nut for Sheet Metal 1/4"-20 Thread Size, for 0.056" Minimum Panel Thickness	press fit insert	Installed by sheet metal manufacturer	2	10
Rounded Head Thread- Forming Screws Torx, Zinc- Plated Steel, Number 10 Size, 5/8" Long			2	10
socket head cap screw, #4- 40 UNC SHCS X 0.625 LONG, GR 5 - ZINC			2	10
socket button head cap screw, #10-32 UNF BHCS X 0.25 LONG, GR 5 - ZINC			2	10
socket button head cap screw, ##10-32 UNF BHCS X 0.3125 LONG, GR 5 - ZINC			2	10

socket button head cap screw, #6-32 UNC BHCS X 0.375 LONG, GR 5 - ZINC			2	10
machine screw nut hex, #6-32 UNC MACHINE NUT, GR 5 - ZINC			2	10
machine screw nut hex, #4-40 UNC MACHINE NUT, GR 5 - ZINC			2	10
LIGHT PIPE			2	10
Rounded Head Thread-Forming Screws Torx Plus, Zinc-Plated Steel, 1/4" Size, 3/4" Long			4	20
Press-Fit Ball Transfer Zinc-Plated Steel Housing, 5/8" Diameter Stainless Steel Ball, 125 lbs. Capacity			4	20
Male-Female Threaded Hex Standoff Aluminum, 1/4" Hex Size, 1/4" Long, 6-32 Thread Size			4	20

Rounded Head Thread- Forming Screws Torx, Zinc- Plated Steel, Number 2 Size, 5/8" Long			4	20
18-8 Stainless Steel Button Head Hex Drive Screw 6-32 Thread Size, 1/8" Long			4	20
Heat-Set Inserts for Plastic Brass, 6-32 Thread Size, 0.150" Installed Length			4	20
Cable Tie Mount Screw-In, for 0.20" x 0.06" Tie and Number 4 Screw Size, Black			5	25
socket button head cap screw, #4-40 UNC BHCS X 0.125 LONG, GR 5 - ZINC			5	25
Rounded Head Thread- Forming Screws Torx, Zinc- Plated Steel, Number 10 Size, 3/8" Long			8	40
socket button head cap screw, 1/4-20 UNC BHCS X 0.5 LONG, GR 5 - ZINC			8	40

socket button head cap screw, 1/4-20 UNC BHCS X 0.375 LONG, GR 5 - ZINC			9	45
Rounded Head Thread- Forming Screws Torx, Zinc- Plated Steel, Number 6 Size, 5/16" Long			12	60

