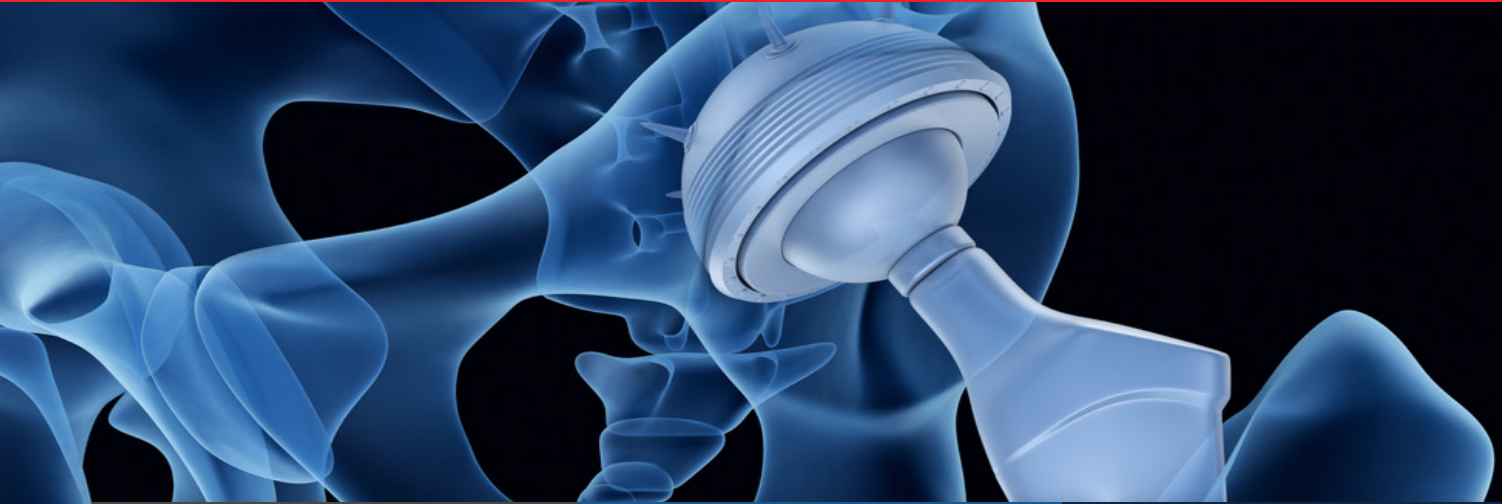


# MEDICAL

**TITANIUM, STAINLESS STEEL  
COBALT CHROME MOLY**



## **MEDICAL APPROVALS**

- ISO 13485
- AS9100D with ISO 9001:2015
- Zimmer Biomet
- Medtronic
- CR Bard
- Wright Medical/Stryker
- ACUMED
- Arthrex
- Globus Medical



## **MEDICAL APPLICATIONS**

Orthopedic reconstruction, trauma, spine, maxillofacial, acetabular cups, bone plates, bone screws, rods, cages, pins, abutments, caps, drills, drill bits, surgical instrumentation, drivers, distractors, shafts, scalpels, reams, rasps, power equipment, robotics



## **FIRSTCUT+<sup>®</sup> PROCESSING**

Additive Manufacturing Water Jet Cutting, Sawing, Precision Cold Saw Cutting, Near Net Shapes, Pin Stamping, Deburring, Precision Rerolling, Cut-to-Length, Slitting, Edging, Shearing & Much More!

## **MEDICAL SOLUTIONS**

- Medical products are melt-source traceable and accepted by all major medical OEMs.
- Custom precision ground sizes and tolerances available on demand.
- Custom replenishment programs provide flexibility and reduce inventory expense.
- Vendor managed inventory programs reduce carrying costs and stock-outs.
- Same or next day shipment from stock; mill quantities to blanket orders.



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# MEDICAL GRADE MATERIALS

## IMPLANT GRADES

TITANIUM	SPECIFICATIONS	SHEET/COIL	BAR	PLATE
CP Grade 2	ASTM F 67/B 265/B 348, UNS R50400, AMS 4902	•	•	•
CP Grade 3	ASTM F 67/B 265, UNS R50550, AMS 4900	•		
CP Grade 4	ASTM F 67/B 265/B 348, UNS R50700, AMS 4901/4921	•		•
Ti-6AL-4V	UNS R56400, AMS 4911/4928/4967/6931, AMS-T-9046 A, ASTM F 1472/B 265/B 348 GR 5	•	•	•
Ti-6AL-4V ELI	UNS R56401, AMS 4930/6932, ASTM F 136/B 265 GR 23/B 348 GR 23		•	•
STAINLESS	SPECIFICATIONS	SHEET/COIL	BAR	PLATE
316LS/316LVM	ASTM F138		•	
COBALT CHROME MOLY	SPECIFICATIONS	SHEET/COIL	BAR	PLATE
CCM	ASTM F 1537, ASTM F 1537 Alloy 1, UNS N06617		•	

## INSTRUMENTATION GRADES

STAINLESS	SPECIFICATIONS	SHEET/COIL	BAR	PLATE
Custom 455®	ASTM F 899, UNS S45500, AMS 5617		•	
Custom 465®	ASTM F 899, UNS S46500, AMS 5936		•	
17-4 PH	ASTM A 564, ASTM A 693, ASTM F 899, UNS S17400, AMS 5604, ASME SA 693, W.NR 1.4542	•	•	•
17-4 PH Heat Treated	UNS S17400, AMS 5643, ASTM A564		•	
17-4 PH Precision Ground	UNS S17400, AMS 5643, ASTM A564		•	
301	ASTM A 240/A 666, UNS S30100, AMS 5901, ASME SA 240/SA 666, EN 1.4310	•		
303	ASTM A 895, UNS S30300, AMS 5640 Chem Only			•
304/304L	ASTM A 240, ASTM A 276, ASTM A 479, ASTM A 484, ASTM A 666, UNS S30400/S30403, AMS 5511/5513, ASME SA 240, W.NR 1.4307	•		•
316/316L	ASTM A 167/A 240/F 138/ F 899, UNS S31600/S31603, AMS 5524/5507, ASME SA 167/SA 240, W.NR/EN 1.4404, W.NR/EN 1.4401	•	•	•
410	ASTM A 240/A 276/A 493/F 899, UNS S41000, AMS 5504/5613, ASME SA 240, EN 1.4006	•	•	•

Please contact us for additional grades and sizes at [sales@upmet.com](mailto:sales@upmet.com).

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