

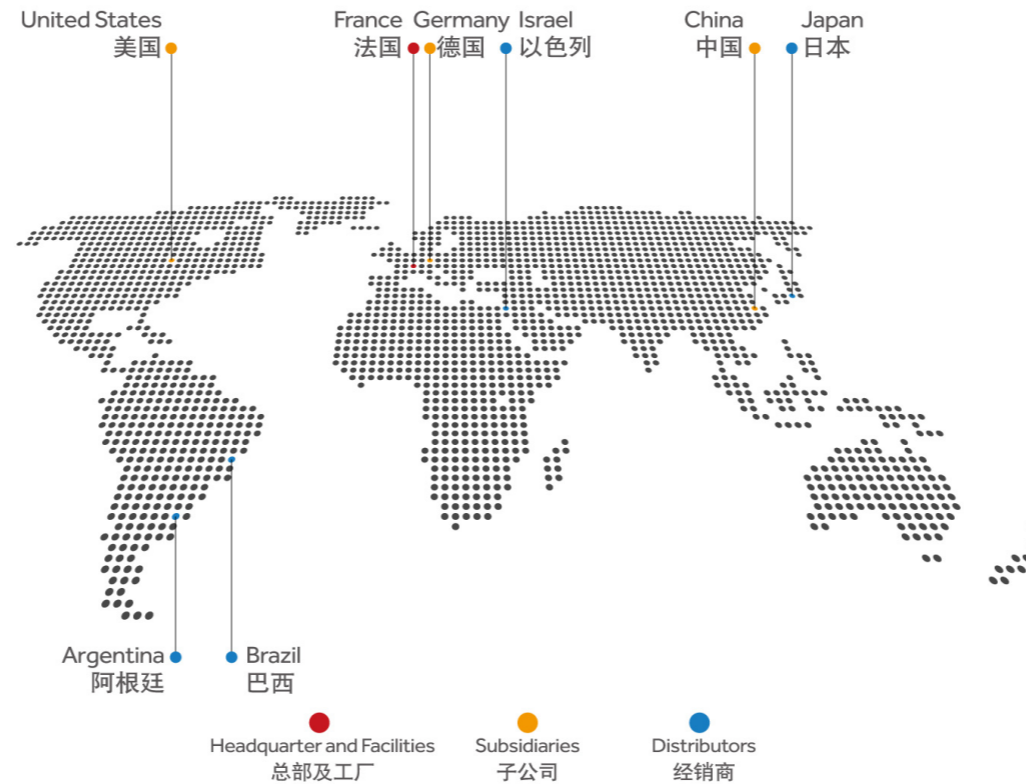
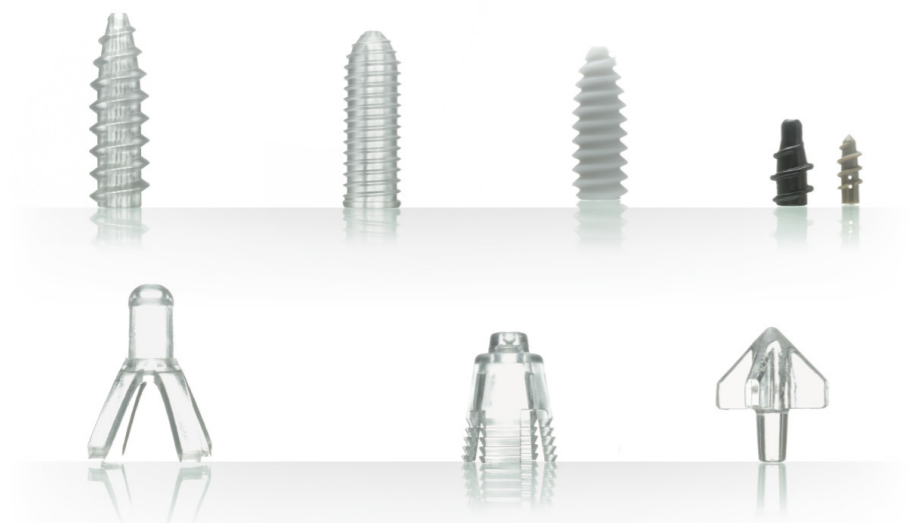
**Injection Molding of Implantable Polymers  
植入级聚合物产品的注塑代工**

VBM, as a business unit of the FORECREU Group (France) is specialized in the injection molding service of implants in orthopaedic polymers and the development of related molds. Our Injection molding products include ligament screws, anchors, plugs and centralizers for hip implants, fixations for soft tissues in implantable PEEK, Carbon fiber reinforced (CFR) PEEK, PMMA, bioresorbable polymers (PLLA, PDLLA, PGA...), mixed materials (HA, TCP, Bioglass mix) etc which are widely used in sports medicine.

For more information, please visit [www.vbm.fr](http://www.vbm.fr).

VBM公司系法国FORECREU集团的业务单元，主要业务为骨科注塑成型产品的代加工及相关模具的开发设计。注塑产品包括运动医学中广泛应用的植入级PEEK（聚醚醚酮）、PMMA、PEEK碳纤维、可吸收聚乳酸（PLLA, PDLLA, PGA等）、混合材料（HA、TCP、Bioglass混合等）的界面螺钉、锚钉、固定鞘等。

如果您希望了解更多信息，请访问[www.vbm.fr](http://www.vbm.fr)。



Forecreu (Changzhou) Materials Co.,Ltd  
福雷孔（常州）新材料有限公司

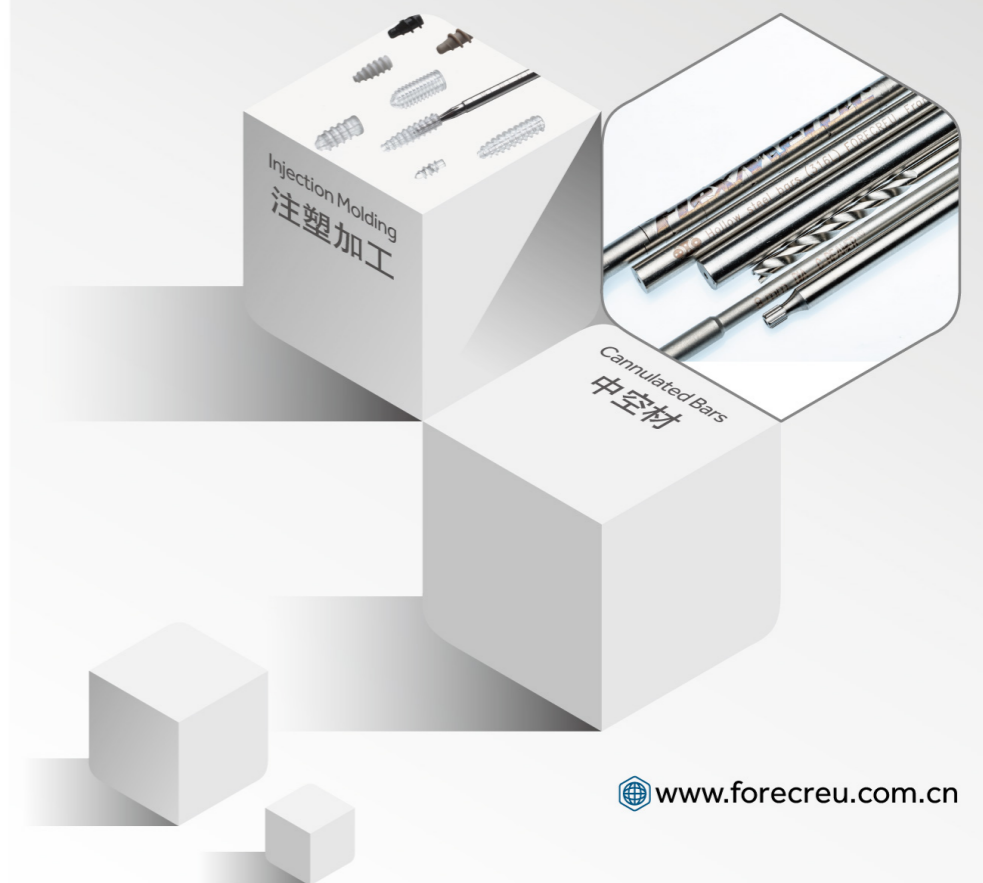
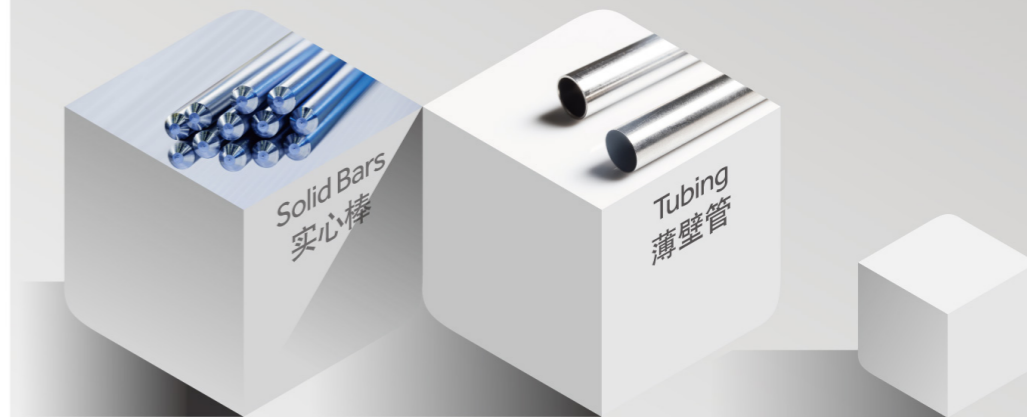
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**Cannulated Bars in Titanium and Stainless Steel**  
骨科应用钛合金及不锈钢中空材

	Grade 牌号	Wk N°	Standard 执行标准
Implantable Grade Titanium Alloy 植入级钛合金	Ti6Al4V Eli	3.7165	ASTM F136 & ISO 5832-3
	Ti6Al7Nb	3.9367	ASTM F1295 & ISO 5832-11
Implantable Grade Stainless Steel 植入级不锈钢	316LVM	1.4441	ASTM F138 & ISO 5832-1
Martensitic Stainless Steel 马氏体不锈钢	420B	1.4028	ASTM F899 & ISO 7153-1-C
	420Mod (X15TN)	1.4123	ASTM F899 & EN 10088-3
	440A	-	ASTM F899
	(440B)	1.4112	ISO 7153-1-R & EN 10088-3
Age and Precipitation Hardening Stainless Steel 时效硬化及析出硬化马氏体不锈钢	431	1.4057	ASTM F899 & EN 10088-3
	455	1.4543	ASTM F899 & ASTM A564
	465	1.4614	ASTM F899 & ASTM A564
	630 (17-4ph)	1.4542	ASTM F899 & ASTM A564
	13-8Mo	1.4534	ASTM F899 & ASTM A564



Forecreu (Changzhou) is a wholly-owned subsidiary of FORECREU Group (France). In the medical field, we provide cannulated bars in titanium alloys and stainless steels, which are widely used in the production of cannulated implants and related instruments for orthopaedic and dental application. We offer target solutions to different end applications, such as cannulated small fragments screws, spinal screws, intramedullary nails, cannulated surgical instruments, sports medicine products etc.

福雷孔（常州）系法国FORECREU全资子公司。在医疗领域，我们提供钛合金、不锈钢系列中空材，广泛应用于骨科、牙科等中空系列植入物及相关器械的生产；并针对不同的终端应用提供中空系列解决方案，如中空钉、脊柱钉、髓内针、中空手术器械、运动医学产品等。

**Medical Solid Bars/Wires/Sheets/Sections**  
医用实心棒材/丝材/板材/型材

	Grade 牌号	Wk N°	Standard 执行标准
Implantable Grade 植入级	316LVM	1.4441	ASTM F138 & ISO 5832-1
	Ti6Al4V Eli	3.7165	ASTM F136 & ISO 5832-3
Instrument Grade 工具类	420B (预硬)	1.4028	ASTM F899 & ISO 7153-1-C
	455	1.4543	ASTM F899 & ASTM A564
	465	1.4614	ASTM F899 & ASTM A564



Originating from the Thyssen Group, EZM produces bars and sections for a variety of medical applications. Its medical stainless steel 300/400 family and titanium alloys are with high purity, close tolerances and high strength. Its implantable 316LVM bars of OD 0.8mm – 3.0mm are widely used in production of K-wire and Steinmann pin thanks to its extremely high strength.

德国EZM公司原属德国蒂森钢铁集团，生产用于医疗行业的丝材、棒材、板材和型材。高纯度、高精度、高强度的医用300系列/400系列/钛合金系列丝材、棒材、型材为您的生产加工提供助力。特别是其植入物级316L外径0.8mm-3.0mm丝棒，得益于超高强度而广泛应用在克式导针和斯式针的生产加工。

**Medical Tubing**  
医用薄壁管

	Grade 牌号	Wk N°	Standard 执行标准
Austenitic Stainless Steel 奥氏体不锈钢	304L / 304	1.4307 / 1.4301	ASTMA276 / ASTM F899
	316L / 316	1.4404 / 1.4401	ASTMA276 / ASTM F899
Age and Precipitation Hardening Stainless Steel 时效硬化及析出硬化马氏体不锈钢	17-7ph (631)	1.4568	ASTM F899 & ASTM A564
	17-4ph (630)	1.4542	ASTM F899 & ASTM A564



TAI Italy and Accutube US produce thin wall tubes, capillary tubes and special shaped tubes for the medical industry, including stainless steel or other alloys such as 304/316/17-7PH; seamless or welded; thin-wall or ultra-thin wall, which are widely used in the manufacturing and processing of medical endoscopes, arthroscopy, and ENT products. Their high strength, low roughness and excellent straightness ensure the performance of the end products.

意大利TAI公司和美国ACCUTUBE公司，生产用于医疗行业的薄壁管、毛细管、异型管材等，包括304/316/17-7PH等不锈钢或其他合金；无缝或焊接；薄壁或超薄壁。产品广泛应用于医疗的内窥镜、关节镜、ENT系列产品的生产加工。高强度、低粗糙度、优异的直线度确保终端产品的性能。