

EXTRUSIONS

Quick-turn development
to production of complex
medical extrusions

Experience Faster Speed of Development

Our Extrusion Development Center of Excellence (CoE) features quick-turn capabilities and resident expertise to partner with development engineers to iterate quickly and solve complex challenges. We can support you throughout the product lifecycle from development to production across a range of extrusion capabilities and materials.



WHAT WE OFFER

Expertise & Experience

Across Viant, deeply experienced people power our network and deliver solutions for our customers. With industry leading expertise our Extrusion CoE is no different.

Advanced Processes and Capabilities

Best-in-class equipment and process know-how deliver complex extrusions with tight tolerances. In-line optical measurement supports process capability, data generation and reporting.

Quick Turn

Inventoried materials, dedicated equipment, in-house expertise and a 'be agile' culture enable Viant to excel at quick turn development while also supporting production.

PRODUCT RANGE

Capabilities

- Single-lumen
- Multi-lumen
- Wire coating
- Profile (geometric)
- Balloon extrusions

Materials

- Nylon
- Pebax[®] 72D-25D
- Polyurethane 2363-55D-75D, 2363-80AE and 90AE
- HDPE, LDPE and Polypropylene
- BaSO₄-filled
- Various FDA 21 CFR 73 Subpart D pigments

CAPABILITIES & TOLERANCES

SINGLE-LUMEN		MULTI-LUMEN (UP TO 12 LUMENS)	
ID/OD + tolerance	Wall thickness tolerance	OD + tolerance	
0.006" - 0.050" ± 0.001"	± 0.0005"	0.027" - 0.100" ± 0.002"	
0.051" - 0.125" ± 0.0015"	± 0.001"	0.101" - 0.200" ± 0.004"	
0.126" - 0.180" ± 0.003"	± 0.0015"	0.201" - 0.250" ± 0.006"	
0.181" - 0.250" ± 0.005"	± 0.0025"		
0.251" - 0.375" ± 0.006"	± 0.003"		

PROFILE (GEOMETRIC CROSS-SECTIONS)		OVER-THE-WIRE / BEADING	
OD + tolerance		OD	Wall thickness
0.006" - 0.100" ± 0.001"		0.010" - 0.100"	0.001" - 0.003"
0.101" - 0.200" ± 0.002"		0.101" - 0.140"	0.003" - 0.020"

STOCK MATERIALS & PIGMENTS

STOCK MATERIALS			
Nylon	Pebax®	Polyurethane	Other
PA11 - Besno	PEBA 2533 +/- 20% BaSO4	Pellethane 2363-80AE	HDPE Marlex
PA12 - Aesno	PEBA 3533 +/- 20% BaSO4	Pellethane 2363-90AE	LDPE 640I
PA12 - Grilamid	PEBA 4033 +/- 20% BaSO4	Pellethane 2363-55D	PP Profax
PA12 - Vestamid	PEBA 5533 +/- 20% BaSO4	Pellethane 2363-65D	
	PEBA 6333 +/- 20% BaSO4	Pellethane 2363-75D	
	PEBA 7033 +/- 20% BaSO4		
	PEBA 7233 +/- 20% BaSO4		

STOCK PIGMENTS (COMPLIANT WITH FDA 21 CFR 73 SUBPART D)			
White	Black	Cool Grey PMS 9C	Green 3248C
Blue 295C	Purple 2655C	Violet C	

EXPERTISE YOU CAN COUNT ON



Sixto Hernandez

Sixto brings over 30 years' experience developing complex extrusions for the medical device industry. He's a leading expert and the ideal partner for engineers to solve challenges, improve products and processes and rapidly get to market.

Sixto's past experience includes a diverse base of market leaders in the interventional catheter space, including Baxter and most recently serving at Nordson.

Bring him a challenge! His excitement in finding solutions, and doing it quickly, is contagious.

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ABOUT VIANT

Viant is a trusted design and manufacturing services partner for the medical device industry. With 25 locations worldwide and unmatched depth and breadth of capabilities and expertise, our customers count on us to help bring mission-critical projects to life.

ABOUT D&D WEST

State-of-the-art development and manufacturing facilities located in the San Francisco Bay Area. Offering design and process development from early concept through low-volume commercial production in 6,000 sq ft ISO Class 7&8 Cleanrooms. In-house braiding, coiling, tipping, nitinol processing, lamination capabilities to quickly respond to your prototyping and development needs.

