## Peripheral Delivery Catheter

CE Mark & FDA Registration Coming Soon
NMPA 20243031832

*Specifications:*

| ID | OD | Working Length | Tip Shape |
|---|---|---|---|
| 0.021" | 0.90 mm | 105/115/125/135/145/155 cm | |
| 0.027" | 1.03 mm | 105/115/125/135/145/155 cm | |
| 0.041" | 1.44 mm | 75/90/100/105/110/115/120<br>125/130/135/140/145/155 cm | |
| 0.058" | 1.87 mm | 75/90/100/110/120/130/140 cm | |
| 0.072" | 2.23 mm | 75/90/100/110/120/130/140 cm | |

Note: The product specifications can be identified using the format: 212+ Inner diameter + Length. For example, 212021105 refers to a 0.021" , 105cm delivery catheter; MP indicates a 45° angled tip.

- **10 Segment Gradient Mechanical Structure**
  Smooth transition between soft and stiff segments ensures a stable delivery pathway for devices
- **Braided Structure**
  Excellent kink and crush resistance with superior trackability
- **Atraumatic Tip**
  Specially processed for flexibility to minimize vessel trauma
- **More Specifications**
  Two tip shapes and multiple lengths available; selected models equipped with dual radiopaque markers for enhanced visibility

# CAS Product Line

## Embolic Protection System

CE Mark & FDA Registration Coming Soon
NMPA 20233031304

*Embolic protection device:*

| Product Code | Maximum Filter Diameter (mm) | Filter Length (mm) | Total Length (cm) | Recovery Catheter Tip Shape | Range of Compatible Blood Vessels (mm) |
|---|---|---|---|---|---|
| 601019030 | 3.0 | 15 | 190 | Angled | 1.5-2.5 |
| 601119030 | 3.0 | 15 | 190 | Straight | 1.5-2.5 |
| 601032030 | 3.0 | 15 | 320 | Angled | 1.5-2.5 |
| 601132030 | 3.0 | 15 | 320 | Straight | 1.5-2.5 |
| 601019050 | 5.0 | 20 | 190 | Angled | 2.5-4.5 |
| 601119050 | 5.0 | 20 | 190 | Straight | 2.5-4.5 |
| 601032050 | 5.0 | 20 | 320 | Angled | 2.5-4.5 |
| 601132050 | 5.0 | 20 | 320 | Straight | 2.5-4.5 |
| 601019070 | 7.0 | 20 | 190 | Angled | 4.5-6.5 |
| 601119070 | 7.0 | 20 | 190 | Straight | 4.5-6.5 |
| 601032070 | 7.0 | 20 | 320 | Angled | 4.5-6.5 |
| 601132070 | 7.0 | 20 | 320 | Straight | 4.5-6.5 |

- **Polymer Coating with Laser Perforation Process**
  Finer mesh for enhanced filtration efficiency.
- **Centrally Symmetrical Design**
  After opening, the filter umbrella exhibits markedly enhanced wall apposition and ensures safe retrieval without any risk of entanglement.
- **The Guidewire Diameter is 0.014"**
  The guidewire is compatible with all types of carotid balloon dilatation catheters and stents, offering precise guidance for their delivery.

*Delivery catheter:*

| Distal ID | Distal OD | Length from Rx Port to Head End | Length |
|---|---|---|---|
| 0.039"/1.0 mm | 0.047"/1.2 mm | 30 cm | 133 cm |

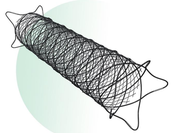
*Recovery catheter:*

| Distal ID | Distal OD | Length of Distal Tube | Length |
|---|---|---|---|
| 0.047"/1.2 mm | 0.059"/1.5 mm | 30 cm | 152 cm |

## Carotid Stent System

CE Mark & FDA Registration Coming Soon

The Zenith Carotid Stent is the First Domestic Carotid Stent to Enter the Innovation Green Channel.



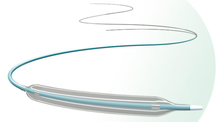
- **The First Single-Layer Microporous Mixed Weaving Technology in China and Abroad**
  The mesh area is only 1/30th of traditional cut stents.
- **Stronger Radial Support with Lower Chronic Outward Force**
  Effectively dilate blood vessels while reducing vascular endothelial irritation.
- **The Entire Series Adopts a 5F Delivery System**
  Stents can be delivered through 6F or larger catheters, suitable for multiple approaches via radial or transfemoral access.
- **Surface Protective Coating**
  Significantly reduces nickel ion release, enhancing corrosion resistance and biocompatibility, leading to greater patient benefits.

## Carotid Artery Balloon Dilatation Catheter (Pre)

CE Mark & FDA Registration Coming Soon
NMPA 20253030129

- **Rapid-Exchange Design**
  Simplifies operation and enhances procedural efficiency.
- **Ultra-Long Hydrophilic Coating**
  Reduces friction and assists in passing through curved blood vessels.
- **Semi-Compliant Balloon**
  Gradual dilation ensures safety and effectiveness.
- **Hypotube Push Rod**
  Shaft with smooth transition ensures optimized flexibility and pushability.

| Balloon Diameter (mm) | Balloon Working Length (mm) | | | | | |
|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 35 | 40 | 45 |
| 2.00 | √ | √ | √ | √ | √ | √ |
| 2.25 | √ | √ | √ | √ | √ | √ |
| 2.50 | √ | √ | √ | √ | √ | √ |
| 2.75 | √ | √ | √ | √ | √ | √ |
| 3.00 | √ | √ | √ | √ | √ | √ |
| 3.25 | √ | √ | √ | √ | √ | √ |
| 3.50 | √ | √ | √ | √ | √ | √ |
| 3.75 | √ | √ | √ | √ | √ | √ |
| 4.00 | √ | √ | √ | √ | √ | √ |
| 4.50 | √ | √ | √ | √ | √ | √ |
| 5.00 | √ | √ | √ | √ | √ | √ |
| 5.50 | √ | √ | √ | √ | √ | √ |
| 6.00 | √ | √ | √ | √ | √ | √ |
| 6.50 | √ | √ | √ | √ | √ | √ |
| 7.00 | √ | √ | √ | √ | √ | √ |

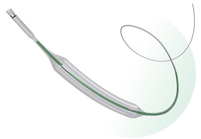


## Carotid Artery Balloon Dilatation Catheter (Post)

CE Mark & FDA Registration Coming Soon
NMPA 20253030991

- **Rapid-Exchange Design**
  Simplifies operation and enhances procedural efficiency.
- **Multi-Wing Folding Design**
  Facilitates smoother deflation and achieves a smaller crossing profile after rewrapping.
- **Distal Retrieval Sheath Design**
  Enables retrieval of embolic protection devices without device exchange.
- **Higher Rated Burst Pressure**
  Provides safer post-dilatation and enhances stent apposition.

| Balloon Diameter (mm) | Balloon Working Length (mm) | | | | | |
|---|---|---|---|---|---|---|
| | 20 | 25 | 30 | 35 | 40 | 45 |
| 2.00 | √ | √ | √ | √ | √ | √ |
| 2.25 | √ | √ | √ | √ | √ | √ |
| 2.50 | √ | √ | √ | √ | √ | √ |
| 2.75 | √ | √ | √ | √ | √ | √ |
| 3.00 | √ | √ | √ | √ | √ | √ |
| 3.25 | √ | √ | √ | √ | √ | √ |
| 3.50 | √ | √ | √ | √ | √ | √ |
| 3.75 | √ | √ | √ | √ | √ | √ |
| 4.00 | √ | √ | √ | √ | √ | √ |
| 4.50 | √ | √ | √ | √ | √ | √ |
| 5.00 | √ | √ | √ | √ | √ | √ |
| 5.50 | √ | √ | √ | √ | √ | √ |
| 6.00 | √ | √ | √ | √ | √ | √ |
| 6.50 | √ | √ | √ | √ | √ | √ |
| 7.00 | √ | √ | √ | √ | √ | √ |



# COMPANY INTRODUCTION

Suzhou Zenith Vascular Co., Ltd. is a pioneering enterprise established in 2018, dedicated to providing innovative solutions for vascular diseases. Our mission is to become the leading provider of vascular solutions through innovation that creates easier and more effective endovascular treatments. With a strong foundation in independent R&D, we partner with top clinical experts worldwide to develop high-quality vascular interventional products that meet diverse clinical needs. Our mature technology platforms and in-house manufacturing system ensure consistent quality and efficiency from concept to clinical use. By focusing on innovation, quality, and continuous improvement, Zenith has become a trusted provider of cutting-edge solutions—empowering physicians and improving patient outcomes globally.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E-Mail: international@zenithmedtech.com
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Zenith™ Vascular

## Peripheral Interventional Product Solutions

- SWAM innovative technology solution for peripheral thrombus aspiration
- Innovative solution for peripheral venous stenosis treatment
- Innovative solution for peripheral embolization treatment
- Innovative solution for carotid artery stenosis (CAS)

Developing Innovative Technologies

# Innovative SWAM Technology for Peripheral Thrombus Aspiration

***S**eparator **W**ith **A**spiration Catheter for **M**T*

***SWAM, an innovative technology using a separator-assisted aspiration catheter in thrombus aspiration procedures, aims to improve aspiration efficiency and treatment safety while quickly removing thrombi.***

## Peripheral Aspiration Catheter

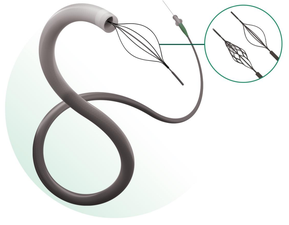
CE Mark & FDA Registration Coming Soon
NMPA 20233031276

▶ **Neural Catheter Manufacturing Technology**
Excellent navigation and maneuverability.

▶ **Larger Lumen with Thinner Walls for Stronger Aspiration**
Maximal inner diameter of 0.139 inches for stronger aspiration capability.

▶ **Safe and Durable, Easier to Deliver**
Soft, non-invasive tip, double-layer coil spring braiding, and a nine-section gradient strength design.

▶ **More Choices, Broader Coverage**
Available in 4F-12F, lengths from 50 cm to 145 cm, with straight and 45° pre-shaped tips.

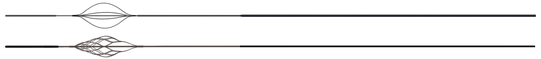


| FR | Product Code | | ID | OD | Maximum Guidewire Compatible | Working Length |
|---|---|---|---|---|---|---|
| 4F | 520004 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.041″ /1.0 mm | 0.051″ /1.3 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 5F | 520005 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.058″ /1.4 mm | 0.070″ /1.7 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 6F | 520006 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.072″ /1.8 mm | 0.083″ /2.1 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 7F | 520007 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.082″ 2.0 mm | 0.091″ /2.3 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 8F | 520008 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.090″ /2.3 mm | 0.102″ /2.6 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 9F | 520009 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.100″ /2.5 mm | 0.119″ /3.0 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 10F | 520010 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.112″ /2.84 mm | 0.130″ /3.3 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |
| 12F | 520012 | 050/070/090/105/120/135/145<br>050MP/070MP/090MP/105MP/120MP/135MP/145MP | 0.139″ /3.5 mm | 0.157″ /4.0 mm | ≤0.038″ | 50/70/90/105/120/135/145 cm |

## Peripheral Separator

(Embolism Removal Device for Peripheral Aspiration Catheter)

CE Mark & FDA Registration Coming Soon
NMPA 20233031688



**Fragmentation-Type Separator:** Designed to address high thrombus burden. Utilizing a cutting, entangling, traction mechanism, it facilitates **rapid thrombus disruption and removal.**

**Retrieval-Type Separator:** Designed for acute embolized thrombus/emboli. Utilizing an interception, engagement, separation mechanism, it enables **controlled and safe thrombus extraction.**

| Product Code | Push Rod Diameter (mm) | Separator Diameter (mm) | Length (cm) |
|---|---|---|---|
| 521212150 | 0.021 | 2 | 150 |
| 521212210 | 0.021 | 2 | 210 |
| 521212320 | 0.021 | 2 | 320 |
| 521213150 | 0.021 | 3 | 150 |
| 521213210 | 0.021 | 3 | 210 |
| 521213320 | 0.021 | 3 | 320 |
| 521214150 | 0.021 | 4 | 150 |
| 521214210 | 0.021 | 4 | 210 |
| 521214320 | 0.021 | 4 | 320 |
| 521185150 | 0.018 | 5 | 150 |
| 521185210 | 0.018 | 5 | 210 |
| 521215150 | 0.021 | 5 | 150 |
| 521215210 | 0.021 | 5 | 210 |
| 521215320 | 0.021 | 5 | 320 |
| 521216150 | 0.021 | 6 | 150 |
| 521216210 | 0.021 | 6 | 210 |
| 521216320 | 0.021 | 6 | 320 |
| 521217150 | 0.021 | 7 | 150 |
| 521217210 | 0.021 | 7 | 210 |
| 521217320 | 0.021 | 7 | 320 |

## Aspiration Pump

CE Mark & FDA Registration Coming Soon
JSMPA 20202141001

Constant Negative Pressure, Visualized Aspiration, and Optimized Structural Design.

▶ **Negative Pressure Aspirating Pump**
Continuous -95 kPa (-28 inHg) vacuum negative pressure output meets the demands of large-load thrombus removal.

▶ **Disposable Canister**
Filter design for visualized thrombus collection.

▶ **Disposable Connecting Tube**
1D 2.4mm ensures efficient aspiration and prevents occlusion.

## Disposable Aspiration Tubing

CE Mark & FDA Registration Coming Soon
JSMPA 20202140883

▶ 6.5 mm ID High-Efficiency Anti-Clog Aspiration Tube

▶ Adjustable Control Valve For Precise Flow Regulation

▶ Total Length 293 cm

# CDAT Technology for Peripheral Thrombus Aspiration

**Continuous Dual Aspiration Technique**

*Developing a comprehensive CDAT product portfolio for continuous dual-catheter aspiration, advancing precision in DVT thrombectomy.*

## Product Portfolio I: DATE Technology

### Dual Aspiration Technique

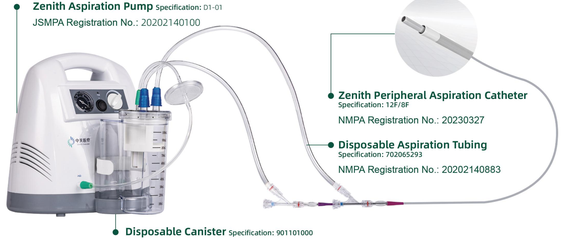
**Recommended Configuration**
**DATE Aspiration Catheter Set:** 12F-90 cm 8F-135 cm

## Product Portfolio II: DATE + SWAM Technology

### Dual Aspiration Technique & Separator With Aspiration Catheter for MT

**Recommended Configuration**
**DATE Aspiration Catheter Set:** 12F-90 cm 8F-135 cm **Fragment Separator:** 7 mm-150 cm

| Component | Product Code | Quantity |
|---|---|---|
| Peripheral Aspiration Catheter (Outer) | 520012090 | 1 |
| Peripheral Aspiration Catheter (Inner) | 520008135 | 1 |
| Peripheral Separator | 521217150 | 1 |
| Disposable Canister | 901101000 | 1 |
| Disposable Aspiration Tubing | 702065293 | 2 |
| Aspiration Pump | D1-01 | 1 |




# Innovative Solutions for Peripheral Embolization Therapy

## Peripheral Fibered Detachable Coil Occlusion System

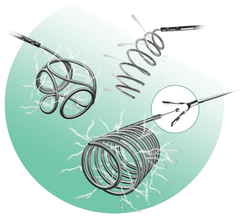
CE Mark & FDA Registration Coming Soon
NMPA 20243130744

▶ **Brand-New Mechanically Detachable Innovative Design with a Self-Expanding Clamp Lock Ball Head**
One-click unlock and withdrawal to prevent accidental detachment.
**Even when pushed out of the catheter, the coil can still be withdrawn and readjusted for optimal positioning and filling.*

▶ **High-Vacuum Heat Treatment with Advanced Surface Modification · Platinum-Tungsten Coil**
Good visualization, compatible with MRI examinations; soft coil, ensuring both biocompatibility and effective embolization.

▶ **Broad Catheter Compatibility**
The 0.018″ coil system is compatible with 0.021″– 0.027″ ID microcatheters, ensuring smooth and reliable delivery.

▶ **More Specifications**
Offering 0.018″ and 0.035″ systems in 2D, 3D, and conical designs to match various vascular conditions and meet different surgical embolization needs.



| 18 System | Product Code | Coil Outer Diameter (mm) | Coil Length (cm) |
|---|---|---|---|
| 2D | 530202XXX | 2 | 4/6 |
| | 530203XXX | 3 | 6/12 |
| | 530204XXX | 4 | 8/15 |
| | 530205XXX | 5 | 8/15 |
| | 530206XXX | 6 | 10/20 |
| | 530208XXX | 8 | 20 |
| | 530210XXX | 10 | 20/40/50 |
| | 530212XXX | 12 | 20/30/50 |
| | 530214XXX | 14 | 20/30/50 |
| | 530216XXX | 16 | 30/50 |
| | 530218XXX | 18 | 50 |
| | 530220XXX | 20 | 50 |
| | 530222XXX | 22 | 60 |
| | 530232XXX | 32 | 60 |
| 3D | 530702XXX | 2 | 2/4/6 |
| | 530703XXX | 3 | 4/6/8 |
| | 530704XXX | 4 | 6/8/10/12 |
| | 530705XXX | 5 | 15 |
| | 530706XXX | 6 | 20 |
| | 530707XXX | 7 | 30 |
| | 530708XXX | 8 | 20/30 |
| | 530709XXX | 9 | 30 |
| | 530710XXX | 10 | 26/30/40/60 |
| | 530712XXX | 12 | 40 |
| | 530714XXX | 14 | 34/40 |
| | 530715XXX | 15 | 30/40/60 |
| | 530716XXX | 16 | 40 |
| | 530718XXX | 18 | 40 |
| | 530720XXX | 20 | 50/60 |
| Conical | 530303023 | 3 | 2.3 |
| | 530304041 | 4 | 4.1 |
| | 530305058 | 5 | 5.8 |
| | 530306080 | 6 | 8 |

| 35 System | Product Code | Coil Outer Diameter (mm) | Coil Length (cm) |
|---|---|---|---|
| 2D | 530403XXX | 3 | 4 |
| | 530404XXX | 4 | 10 |
| | 530405XXX | 5 | 10 |
| | 530406XXX | 6 | 10/20 |
| | 530408XXX | 8 | 10/20/40 |
| | 530410XXX | 10 | 20/40 |
| | 530412XXX | 12 | 20/40 |
| | 530415XXX | 15 | 20/40/80 |
| | 530418XXX | 18 | 20/40/80 |
| | 530420XXX | 20 | 40/60/80 |
| | 530422XXX | 22 | 40/60/80 |
| | 530425XXX | 25 | 80 |
| | 530430XXX | 30 | 80 |
| 3D | 530504XXX | 4 | 6 |
| | 530506XXX | 6 | 10/20 |
| | 530508XXX | 8 | 20 |
| | 530510XXX | 10 | 25/40 |
| | 530515XXX | 15 | 25/40/60/80 |
| | 530518XXX | 18 | 40 |
| | 530520XXX | 20 | 40/60/80 |
| | 530525XXX | 25 | 80 |
| | 530530XXX | 30 | 80 |
| Conical | 530604045 | 4 | 4.5 |
| | 530606090 | 6 | 9 |
| | 530608140 | 8 | 14 |