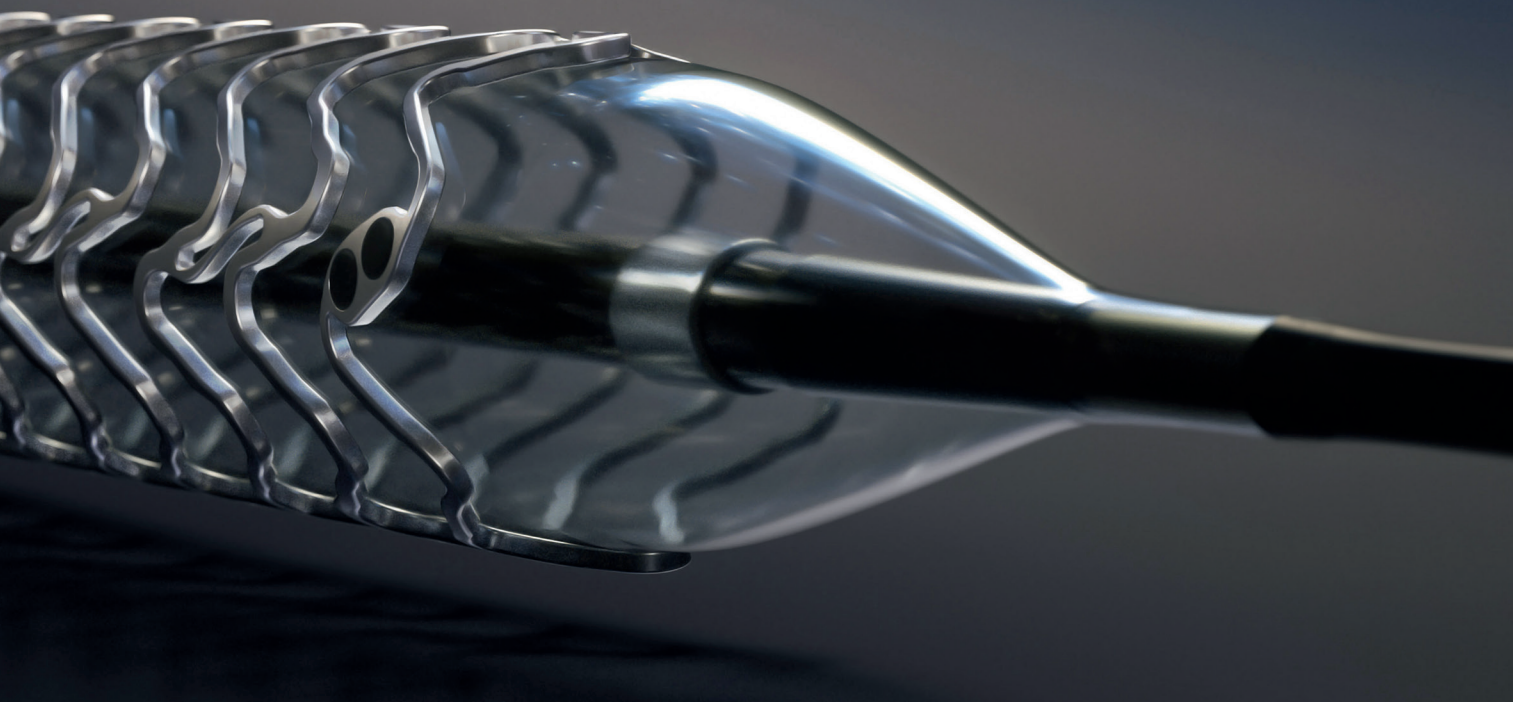


Magmaris

Sirolimus-Eluting Resorbable Coronary
Magnesium Scaffold System

Indicated for de novo coronary artery lesions¹



- First clinically proven resorbable Magnesium scaffold
- Compelling safety data²
- Better deliverability
- ~95 % of Magnesium resorbed at 12 months³

1 Indication as per IFU 2 BIOSOLVE-II 3 Pre-clinical trial. BIOTRONIK data on file



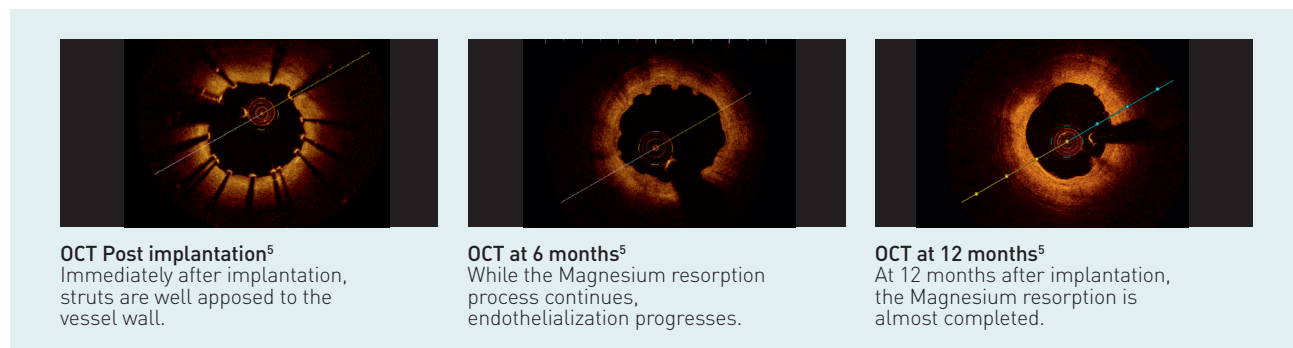
Fast Resorption. Compelling Safety Data²

No definite or probable scaffold thrombosis was observed with Magmaris.⁴
Previous generations showed no scaffold thrombosis up to 36 months.⁴

Novel Benefits that Only a Magnesium Scaffold can Offer

Fast Magnesium Resorption Time

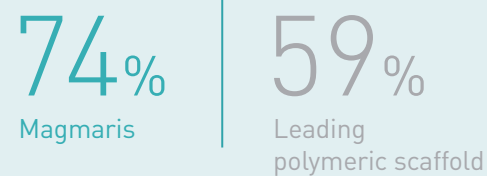
- ~95 % of Magnesium resorbed at 12 months³



The Optimal Combination of the Strut Design, Electropolished Smooth Scaffold Surface and Biocompatible Coating Facilitate:

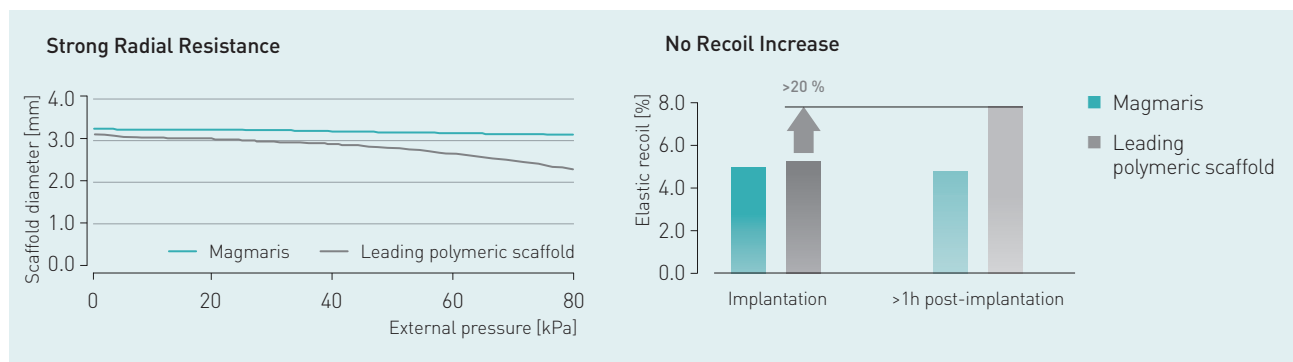
- Rapid endothelial coverage:
15 % better endothelialization at 28 days³

Overall Endothelial Coverage



Robust Magnesium Backbone for:

- Strong radial resistance: no significant diameter change under increasing physiological pressure⁶
- Conventional polymeric scaffold diameter decrease >20 % within 1st hour⁶



A more Deliverable Scaffold

“Magmaris, with its promising clinical data and a simple delivery process, offers a good balance between mechanical properties and fast resorption time.”

Dr. Stephan Kische, Co-Investigator BIOSOLVE-II

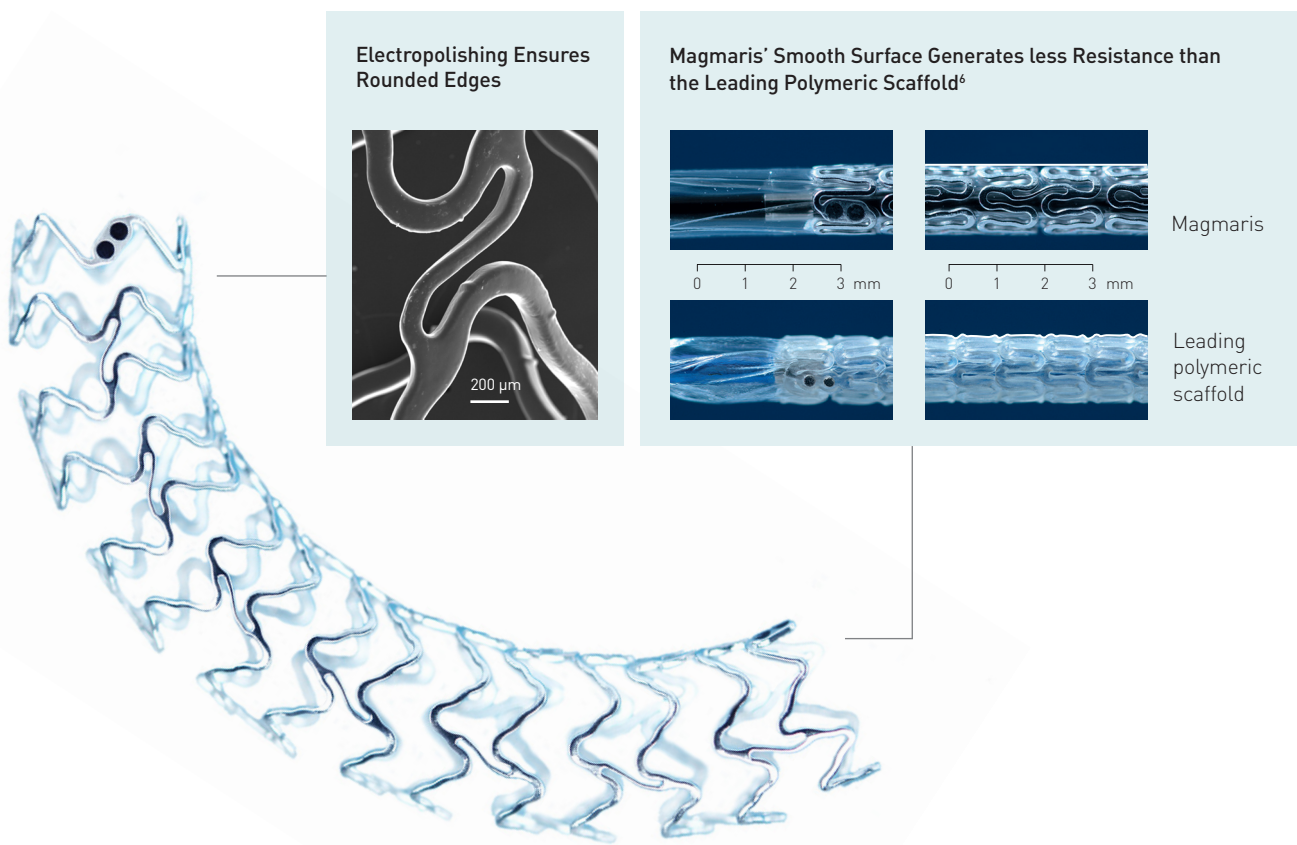
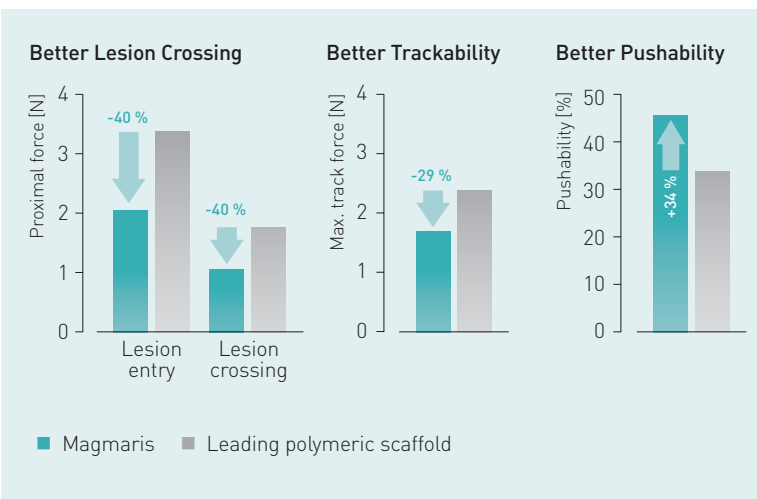
Metallic Scaffolds for Better Deliverability

Magnesium Allows for a Smoother Scaffold Surface for:

- Better lesion crossing: up to 40 % lower lesion entry and crossing force⁶
- Better trackability in tortuous anatomy: 29 % less peak force⁶

The Dual Coated Delivery System Enables:

- Better pushability: 34 % more force transmitted from hub to tip⁶



⁴ PROGRESS, BIOSOLVE-I, BIOSOLVE-II

⁵ BIOSOLVE-II case, GER443-001. Courtesy of M. Haude, Lukaskrankenhaus Neuss, Germany 2015.

⁶ BIOTRONIK data on file

Magmaris

Sirolimus-Eluting Resorbable Coronary Magnesium Scaffold System

Technical Data	Scaffold	
	Scaffold material	Proprietary Magnesium alloy
	Markers	Two tantalum markers at each end
	Active coating	BIOlute (resorbable Poly-L-Lactide (PLLA) eluting a limus drug)
	Drug dose	1.4 µg/mm ²
	Strut thickness/width	150 µm/150 µm
	Maximum expandable diameter	Nominal Diameter +0.6 mm
	Delivery System	
	Catheter type	Rapid exchange
	Recommended guide catheter	6F (min. I.D. 0.070")
	Crossing profile	1.5 mm
	Guide wire diameter	0.014"
	Usable catheter length	140 cm
	Balloon material	Semi-crystalline polymer
	Coating (distal shaft)	Dual coated
	Marker bands	Two swaged platinum-iridium markers
	Proximal shaft diameter	2.0F
	Distal shaft diameter	2.9F
	Nominal pressure (NP)	10 atm
	Rated burst pressure (RBP)	16 atm

Compliance Chart		Balloon Diameter × Length (mm)	
		ø 3.00 × 15–25	ø 3.50 × 15–25
Nominal Pressure (NP)	atm*	10	10
	ø (mm)	3.00	3.54
Rated Burst Pressure (RBP)	atm*	16	16
	ø (mm)	3.29	3.82

* 1 atm = 1.013 bar

Ordering Information	Scaffold ø (mm)	Catheter Length 140 cm Scaffold Length (mm)		
		15	20	25
	3.00	412526	412527	412528
	3.50	412529	412530	412531

Magmaris is part of the BIOTRONIK coronary solutions portfolio, including:

- Stents: **Orsiro**, **PRO-Kinetic Energy**, **PK Papyrus**
- Balloons: **Pantera Lux**, **Pantera LEO**, **Pantera Pro**
- Guide Wires: **Galeo**, **Galeo Pro**, **Cruiser**, **Magnum**

For ordering please contact your
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