

Coronary Stent System for Drug Application

# Yukon<sup>®</sup> Choice 4<sup>DES</sup>

*Translumina -  
Allows natural healing*



translumina<sup>®</sup>

# Yukon<sup>®</sup> Choice 4<sup>DES</sup>

## Allows natural healing

### Clinical history of the Yukon Stent

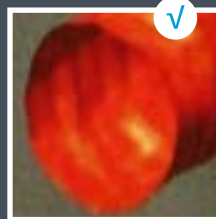
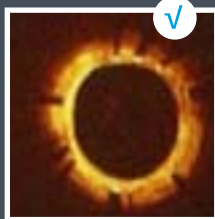
Excellent clinical results with the Rapamycin Yukon Stent

- Dose-finding Study  
(European Heart Journal. 2005; Volume 26; 1475-1481)
- ISAR-TEST Study, comparison to competitor  
(Circulation. 2006;113:273-279)
- Registry data: more than 1.500 patients  
(presented at German Cardiac Society Meeting 2007)
- Clinical Evidence recommended by German Cardiac Society  
(listed in the DES.DE German registry)
- Optical Coherence Tomography (OCT) trial Yukon vs. competitor shows 99.9% endothelial coverage after 3 months.  
(Dalby et al, presented at LDDR 2008, submitted for publication)

polymer-free

Polymer-free means:  
Clinical benefit of a *DES* with the long-term safety of a BMS

Endothealisation and stent strut coverage are the key for longterm safety and reduced anti-platelet therapy.

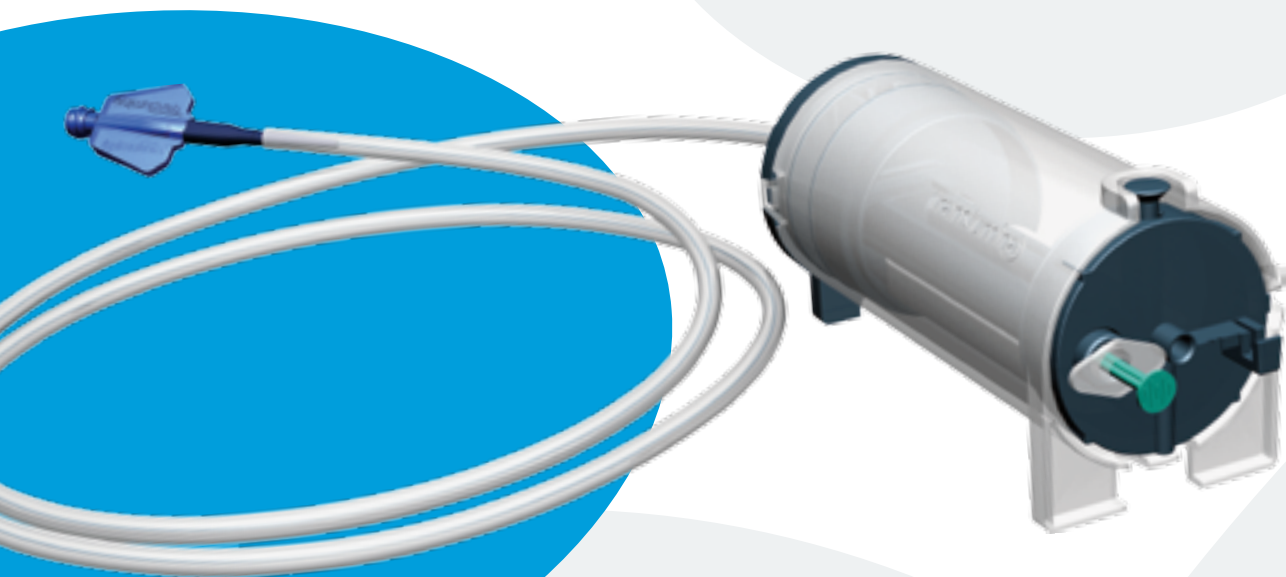


A OCT-cross section and 3-D reconstruction of one of the polymer-based competitors stent in comparison with the polymer-free Yukon (after 3 months).

## *Translumina - always a step ahead*

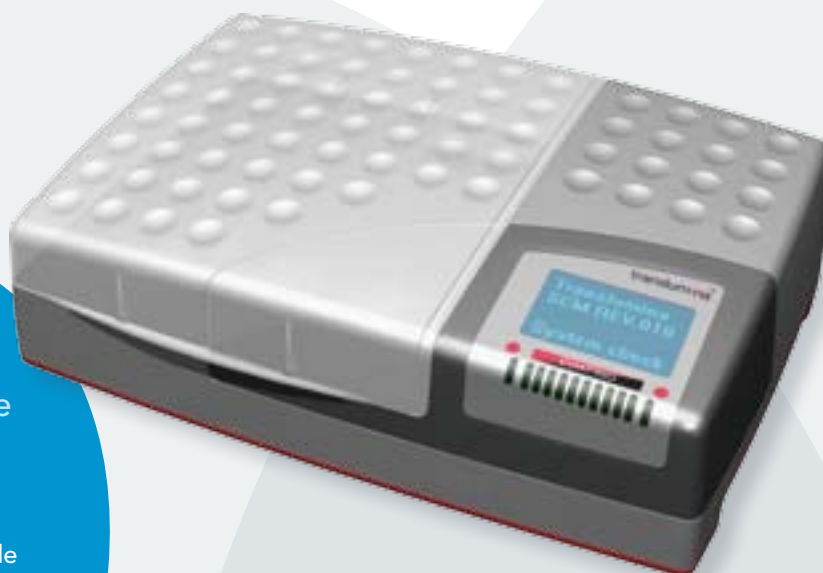
### The new Cartridge with Yukon® Choice 4

- Sterile and safe storage
- Cartridge equipped with integrated sterile filter
- Easy handling
- Improved packaging
- Innovative Coating Technology



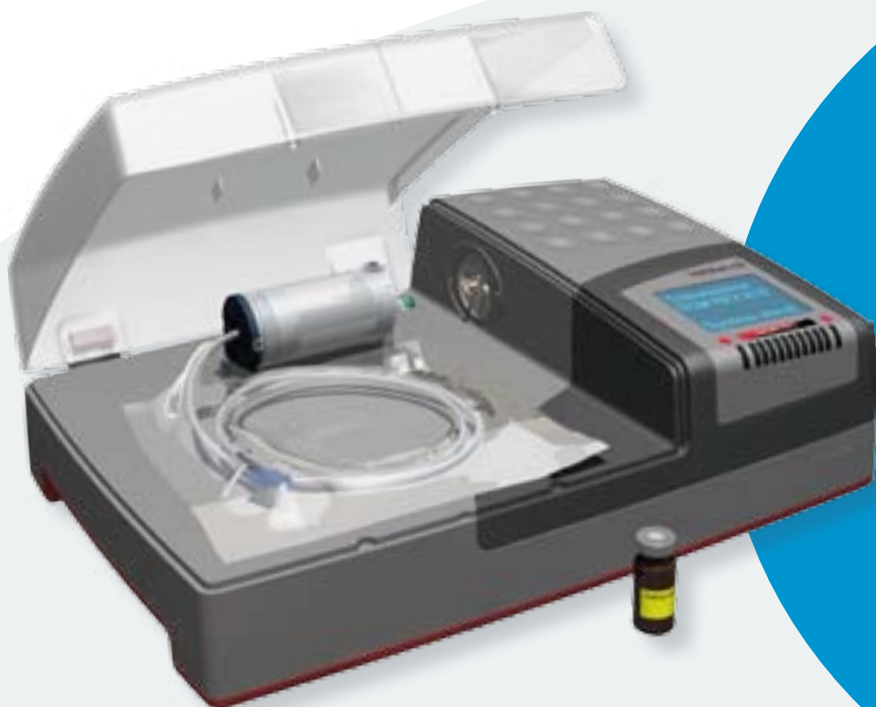
### Key features of the new Stent Coating Machine T-SCM7

- Fast coating process
- Multiple drugs and dosages possible
- Polymer-free Technology
- Easy and quick handling
- Stent lengths up to 40 mm
- CE mark for the polymer-free drug application technology since 2003



# Yukon® Choice 4<sup>DES</sup>

## Technical data and handling



### The new coating - step by step

- Standard connectors for power supply and compressed sterile air
- Easy display-aided handling
- Multi language menu
- Optimised drug injection with syringe
- Sterile coating procedure
- Sterile storage of the coated stent is possible (data for rapamycin available)
- Technical support
- Liability insurance for the coated stent  
(for further information please contact translumina)



### Technical specifications of the stent

Medical Stainless Steel, 316 LVM, Surface containing micro-pores

Crossing profile (Ø 2,5 mm)	0,035" / 0,89 mm
Strut thickness (Ø 2,5 mm)	0,0034" / 87 µm
Metallic surface area	16 - 18%
No foreshortening	
Balloon marker material	Platinum / Iridium
Entry profile	0,017" / 0,41 mm
Proximal shaft diameter	1,9 F
Distal shaft diameter	2,6 F
Recommended guide wire	0,014"
Guiding Catheter	min. 5 F

# The next generation with a lot of new features

## The new stent delivery system



### The new designed luer

The transparent luer has a positive, tactile feel assisting in navigation of the system. It is designed with an integrated protection to minimize any kinking.

## The new distal shaft

Our high performance shaft consisting of a new material provides excellent pushability and kink resistance. This feature allows for high manoeuvrability.

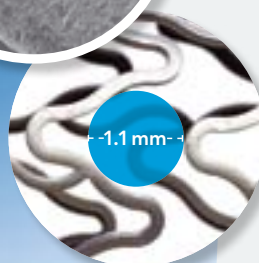
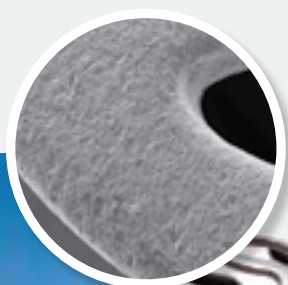


## The new flexible tip

The soft tip material combined with an improved robust segment ensures perfect crossability and trackability. This feature allows easy access to all lesions.



SEM after release  
of the drug



## Stent features

### Unique stent surface

The micro-porous stent surface, called **PEARL Surface**, favours better endothelialisation, which is essential in avoiding thrombosis and restenosis.

### Surface features

- approx. 1 million pores per cm<sup>2</sup>
- average micro pore depth of approx. 2 µm
- 100% pore coverage of the surface

### Stent design

- homogeneous expansion
- increased radial force
- good side branch access

### Low stent profile

- flexible and deliverable



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## Ordering information

new sizes available

### Small vessel sizes

Balloon Ø [mm]	Balloon length [mm] & Article number							
	8	12	16	18	21	24	28	32
Ø 2,00	T-CMF2008C	T-CMF2012C	T-CMF2016C	T-CMF2018C	T-CMF2021C	T-CMF2024C	T-CMF2028C	T-CMF2032C
Ø 2,25	T-CMF22508C*	T-CMF22512C*	T-CMF22516C*	T-CMF22518C*	T-CMF22521C*	T-CMF22524C*	T-CMF22528C*	T-CMF22532C*
Ø 2,50	T-CMF2508C	T-CMF2512C	T-CMF2516C	T-CMF2518C	T-CMF2521C	T-CMF2524C	T-CMF2528C	T-CMF2532C

### Medium vessel sizes

Balloon Ø [mm]	Balloon length [mm] & Article number								
	8	12	16	18	21	24	28	32	40
Ø 2,75	T-CMF27508C*	T-CMF27512C*	T-CMF27516C*	T-CMF27518C*	T-CMF27521C*	T-CMF27528C*	T-CMF27528C*	T-CMF27532C*	T-CMF27540C*
Ø 3,00	T-CMF3008C	T-CMF3012C	T-CMF3016C	T-CMF3018C	T-CMF3021C	T-CMF3024C	T-CMF3028C	T-CMF3032C	T-CMF3040C
Ø 3,50	T-CMF3508C	T-CMF3512C	T-CMF3516C	T-CMF3518C	T-CMF3521C	T-CMF3524C	T-CMF3528C	T-CMF3532C	T-CMF3540C
Ø 4,00	T-CMF4008C*	T-CMF4012C*	T-CMF4016C*	T-CMF4018C*	T-CMF4021C*	T-CMF4024C*	T-CMF4028C*	T-CMF4032C*	T-CMF4040C*

\* Please contact our customer service

## Compliance chart

Balloon Ø [mm]	Inflation pressure [bar or 10 <sup>-5</sup> Pascal]															
				NP									RBP			
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Ø 2,00	1,90	1,94	1,97	2,00	2,03	2,07	2,10	2,13	2,17	2,20	2,23	2,27	2,35	2,38	2,41	
Ø 2,25	2,15	2,18	2,21	2,25	2,28	2,32	2,35	2,38	2,42	2,45	2,49	2,52	2,55	2,59	2,62	
Ø 2,50	2,40	2,43	2,47	2,50	2,54	2,57	2,60	2,64	2,67	2,71	2,74	2,77	2,81	2,84	2,88	
Ø 2,75	2,65	2,68	2,72	2,75	2,78	2,82	2,85	2,88	2,92	2,95	2,98	3,01	3,28	3,31	3,34	
Ø 3,00	2,89	2,93	2,97	3,00	3,04	3,08	3,12	3,15	3,19	3,23	3,26	3,30	3,34	3,37	3,41	
Ø 3,50	3,37	3,42	3,46	3,50	3,54	3,58	3,63	3,67	3,71	3,75	3,79	3,84	3,88	3,92	3,96	
Ø 4,00	3,85	3,90	3,95	4,00	4,05	4,10	4,16	4,21	4,26	4,31	4,36	4,41	4,46	4,51	4,56	

CE 0124

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Please refer to the Instruction for Use supplied with these devices for indications, contraindications, adverse effects, suggested procedures, warnings and precautions.

Translumina GmbH | Neue Rottenburger Strasse 50  
72379 Hechingen | Germany | info@translumina.de |  
t + 49 7471 98 94 - 0 | f + 49 7471 98 94 - 380