

It looks brilliant and its
precision shines through.

pureTEC – the Bare Metal Stent by STENTTEC



STENTTEC

What's special about the product



1

Made in Germany.

In development, production and sales we are committed to meeting the highest standards of quality and reliability.

2

STENTTEC – the stent manufacturer

15 years' experience guarantee efficient stent design. Manufacturing is our passion. We test the quality of each stent individually and repeatedly.

3

The doctor – the source of our innovation

We don't just see doctors as end users, but as collaborative partners from the outset. Doctors expose weak points in conventional stent systems. Our challenge is to eliminate these.

4

Today *pureTEC* – tomorrow a portfolio of stents

Our BMS is the first of a whole portfolio of stents. Other products have already been developed and are going through the authorization process.

is the company behind it.



***pureTEC* – proven efficiency, brilliant precision**

Special stent characteristics combined with extraordinary surface qualities significantly reduce the risk of restenosis.

5

Extremely flexible along its entire length

The *pureTEC* stent is designed to be extremely flexible, ensuring easy and safe stent placement.

6

100 % service

Sales and service are also “made in Germany” – competent, fast and reliable.

7





What's so typically German about us?

We have absolutely no sense of humour – when it comes to quality.

Made in Germany – we are committed to this ethos.

At STENTTEC the “made in Germany” label applied to the Coronary Stent Systems stands for:

- The highest standards of quality
- The greatest attention to every detail in development and production
- Product and service reliability

STENTTEC represents the high standards associated with the development and manufacture of coronary stent systems made in Germany.

Some companies develop stents, others produce them.

We do both for very good reasons.

1

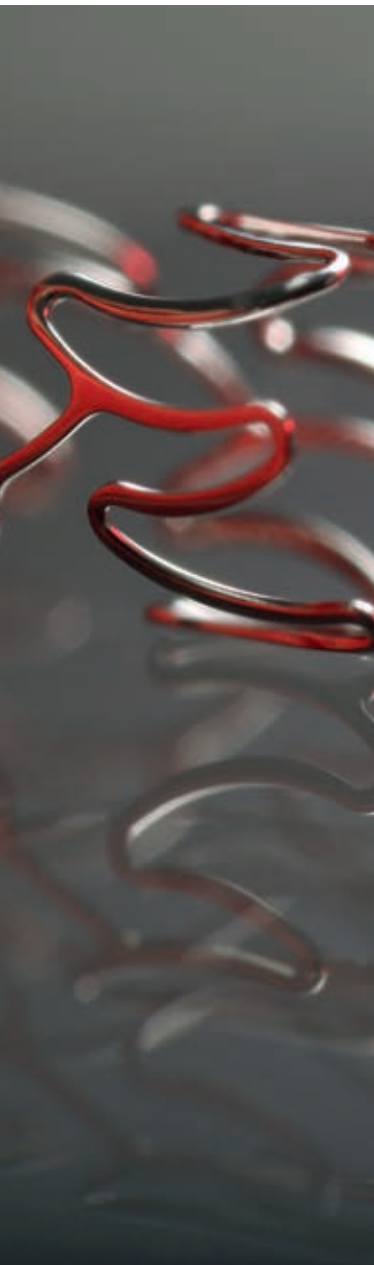
2

Stent manufacture – because know-how requires experience.

STENTTEC is a team of experienced specialists. We can look back on over 15 years' experience in the development and production of stents for market leaders throughout the world.

Today STENTTEC is an independent company that not only develops stents but also produces them – on highly specified production facilities. At STENTTEC quality and precision are understood to be the synergy of optimized stent design and precision manufacturing.

No wonder that standard production facilities are not sufficient for these requirements and the high level of quality and accuracy can only be attained by equipment specially developed in-house.



Producing to a standard is good!

Setting standards
is even better!

2



We demand more than just standard production. We examine our products very carefully because each individual stent can only pass quality control once it has been inspected very precisely. The shiny surface – both inside and out – is just the most obvious indicator of 100 % quality – on which you can rely at STENTTEC.

We don't just see doctors as end users.

They are collaborative partners.

Stent development is a process that combines valuable experience in the use of existing systems with innovative design ideas. Scientific studies and specialist expertise are an important source of targeted development. For this reason we involve highly experienced cardiologists and angiologists at an early stage of stent development. This will remain the philosophy of STENTTEC since we are here to meet your needs. Together with extreme flexibility in development and manufacture, this is how we convert your requirements for innovative stent design into reality.

Do you consider *pureTEC* to be high end?

We prefer to call it a high beginning!

pureTEC is the first high-precision Bare Metal Stent made by STENTTEC which is available to you now. Other stents have been developed already and are undergoing the authorization process. So a full portfolio of stents will be available to you for the best care of your patients.

2

3

4

pureTEC, the new efficiency: considered, visible, proven.

***pureTEC*. Considered efficiency.**

pureTEC is the first stent system made by STENTTEC. The innovative CoCr stent demonstrates an excellent balance of clinically-significant properties that are essential to the efficiency of the system.

5

- fewer injuries
- reduced restenosis
- accurate placement
- minimal longitudinal stent deformation



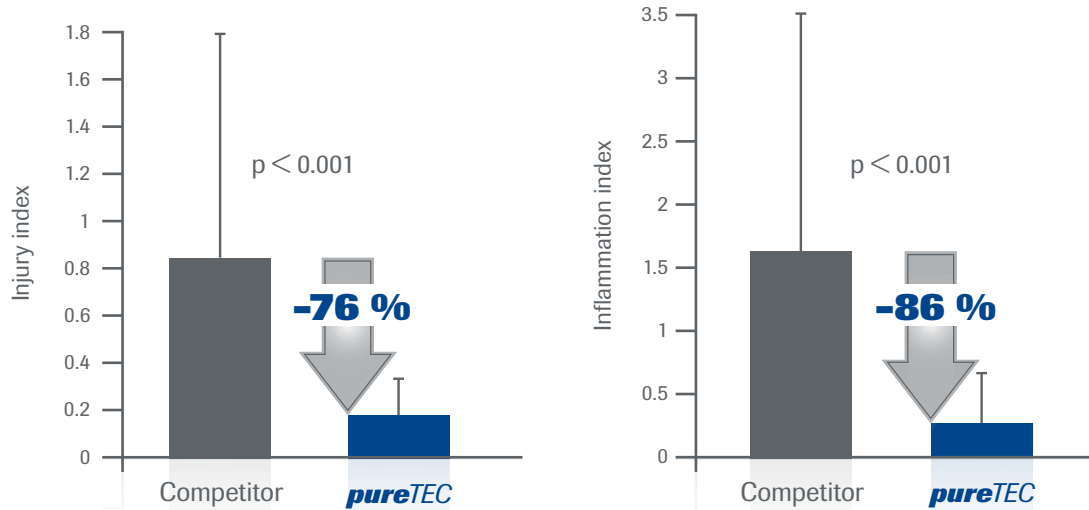
***pureTEC*. Visible efficiency.**

The interaction of clinically-significant properties is an ingenious system and our “winning formula” – the perfect surface is obvious to EVERYONE, indicating greater efficiency through a significantly reduced risk of injury and restenosis.

***pureTEC*. Proven efficiency.**

Fewer injuries – less inflammation

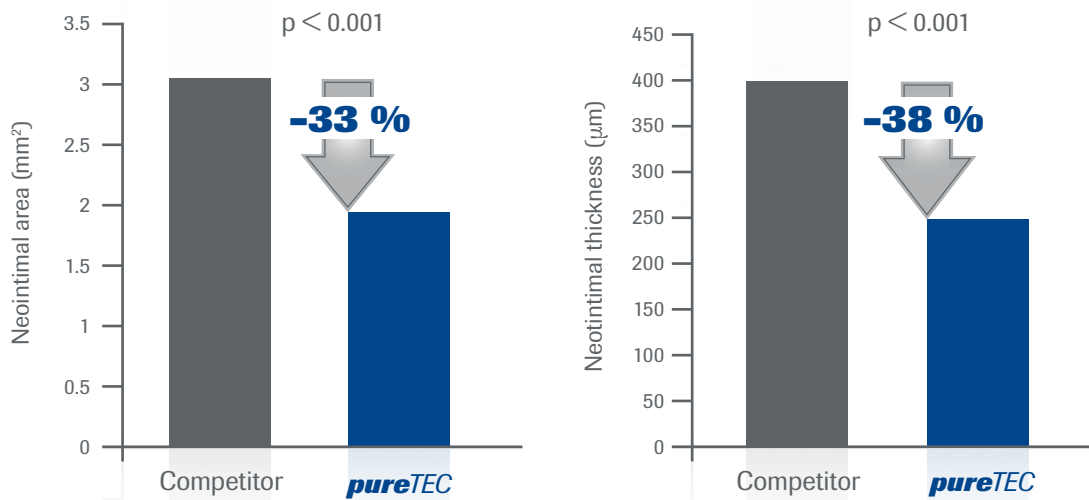
pureTEC* vs. stent from a market-leading stent manufacturer



* 28-day animal study (pigs, n = 12): independently carried out and analysed by CVPPath

Reduction in restenosis rate

pureTEC* vs. stent from a market-leading stent manufacturer



* 28-day animal study (pigs, n = 12): independently carried out and analysed by CVPPath

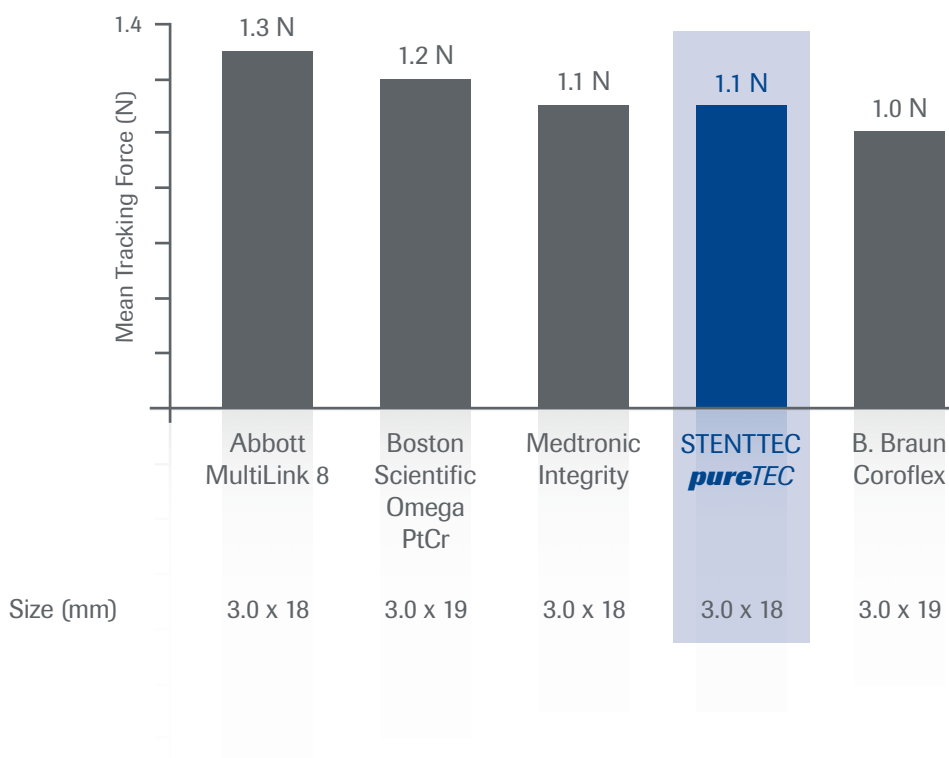
Significant reduction in

- injury index by 76 %
- inflammation index by 86 %
- neointimal area by 33 %
- neointimal thickness by 38 %

Extreme flexibility while keeping the length.

The optimal stent system is extremely flexible. Flexibility is essential to stent placement that is fast and safe at the same time. **pureTEC** achieves extreme flexibility through novel stent design.


Coronary track test PTCA SDS*

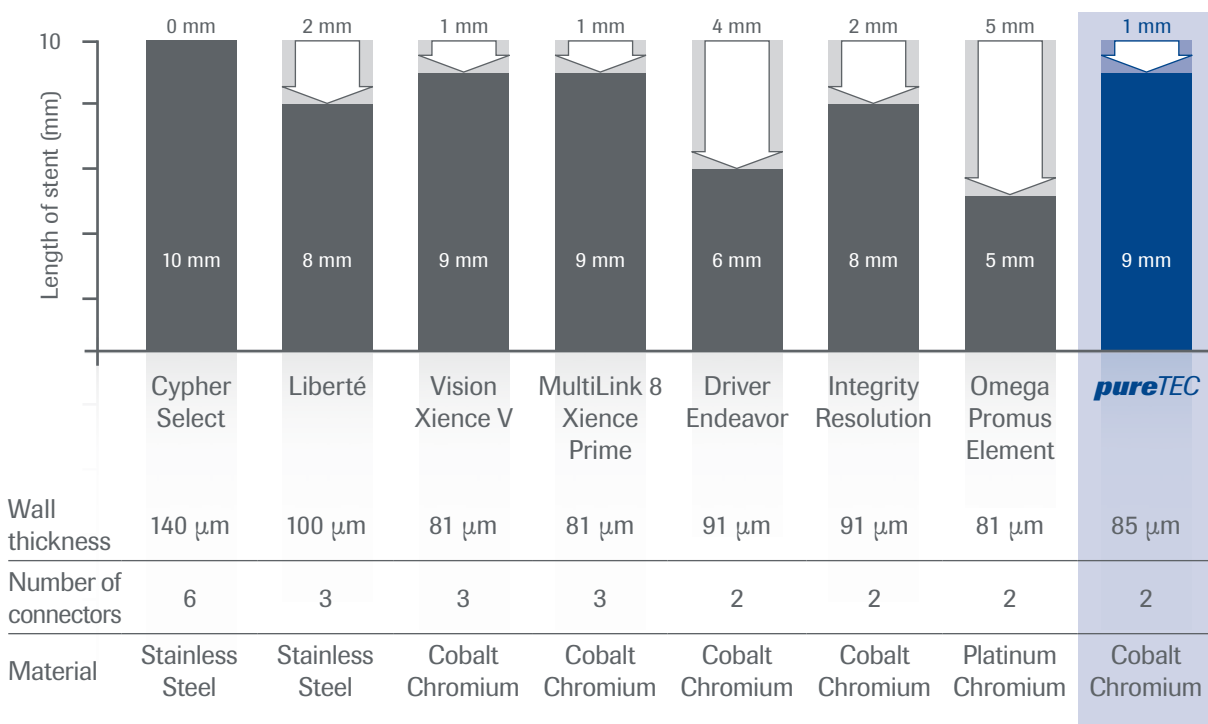


* carried out by Bavaria Medizin Technologie GmbH on behalf of STENTTEC GmbH & Co. KG.

Most recent publications* prove that low wall thickness and simultaneously reduced number of connectors increases the risk of longitudinal stent deformation (LSD). **pureTEC** is an exception. Thanks to its optimized stent design, it combines flexibility with stability.

Longitudinal stent deformation*

 LSD at a compression of 0.5 N



* Ormiston et al. Stent Longitudinal Integrity Bench Insights into a Clinical Problem. J Am Coll Cardiol Intv. 2011; 4: 1310–1317, doi: 10.1016/j.jcin.2011.11.002 (Published online 30 November 2011). pureTEC data originate from internal tests which were performed according to the published method.

pureTEC, with a wall thickness of 85 µm and only two connectors, offers the **greatest flexibility** and at the same time **minimal longitudinal deformation**.

Backed by high-quality service.

Not only are quality and reliability features of our product, they are also features of our service. The STENTTEC sales team is at your disposal with people to contact for competent advice, detailed product information and reliable service. We also offer training on request.

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pureTEC - Technical data

Stent material: **CoCr**
 Target thickness (∅ 3.00 mm): **0.085 mm**
 Mean elastic recoil: **< 5 %**
 Stent shortening: **< 5 %**
 Crossing profile (∅ 3.00 mm): **0.93 mm**

Recommended guide wire: **0.014"**
 Guiding catheter compatibility: **5 F**
 Proximal shaft: **0.67 mm**
 Distal shaft: **0.88 mm**
 Working length of catheter: **135 cm**

pureTEC - Catalogue numbers

		Balloon diameter in mm, expanded			
		2.75	3.00	3.50	4.00
Working length of stent in mm	9	CNCV7309-275-09	CNCV7309-300-09	CNCV7309-350-09	CNCV7309-400-09
	11	CNCV7311-275-11	CNCV7311-300-11	CNCV7311-350-11	CNCV7311-400-11
	13	CNCV7313-275-13	CNCV7313-300-13	CNCV7313-350-13	CNCV7313-400-13
	15	CNCV7315-275-15	CNCV7315-300-15	CNCV7315-350-15	CNCV7315-400-15
	18	CNCV7318-275-18	CNCV7318-300-18	CNCV7318-350-18	CNCV7318-400-18
	21	CNCV7321-275-21	CNCV7321-300-21	CNCV7321-350-21	CNCV7321-400-21
	23	CNCV7323-275-23	CNCV7323-300-23	CNCV7323-350-23	CNCV7323-400-23
	25	CNCV7325-275-25	CNCV7325-300-25	CNCV7325-350-25	CNCV7325-400-25
	28	CNCV7328-275-28	CNCV7328-300-28	CNCV7328-350-28	CNCV7328-400-28

pureTEC - Compliance Chart

Inflation pressure		Balloon diameter in mm, expanded			
bar	kPa	2.75	3.00	3.50	4.00
4	400	2.39	2.63	3.11	3.48
6	600	2.59	2.88	3.32	3.78
8*	800*	2.75*	3.00*	3.50*	4.00*
9	900	2.81	3.08	3.59	4.08
10	1000	2.89	3.15	3.67	4.17
11	1100	2.96	3.24	3.74	4.29
12	1200	3.00	3.29	3.79	4.37
13	1300	3.05	3.35	3.85	4.43
14**	1400**	3.10	3.40	3.89**	4.49**
15	1500	3.15	3.44	3.94	4.53
16**	1600**	3.18**	3.46**	3.97	4.59
17	1700	3.21	3.50	4.01	4.65
18	1800	3.26	3.53	4.05	4.71
19	1900	3.31	3.56	4.09	4.76
20	2000	3.35	3.58	4.14	4.82

* Nominal pressure ** Rated burst pressure

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