

A climber in a red tank top and black shorts is shown mid-climb on a large, textured rock face. The background features misty, rugged mountains under a cloudy sky.

**TRACKflex**<sup>®</sup>

Sirolimus Eluting Coronary Stent System



Flexibility  
Generated Through AI

CE 1434

HAPPINESS STARTS WITH HEALTH

## Ordering Information

STENT DIAMETER	LENGTH											OVER EXPANSION DATA
	8 mm	13 mm	16 mm	20 mm	24 mm	28 mm	32 mm	36 mm	40 mm	43 mm	47 mm	
2.0 mm	TF20008	TF20013	TF20016	TF20020	TF20024	TF20028	TF20032	TF20036	TF20040	TF20043	TF20047	3.5 mm
2.25 mm	TF22508	TF22513	TF22516	TF22520	TF22524	TF22528	TF22532	TF22536	TF22540	TF22543	TF22547	3.5 mm
2.5 mm	TF25008	TF25013	TF25016	TF25020	TF25024	TF25028	TF25032	TF25036	TF25040	TF25043	TF25047	3.5 mm
2.75 mm	TF27508	TF27513	TF27516	TF27520	TF27524	TF27528	TF27532	TF27536	TF27540	TF27543	TF27547	4.5 mm
3.0 mm	TF30008	TF30013	TF30016	TF30020	TF30024	TF30028	TF30032	TF30036	TF30040	TF30043	TF30047	4.5 mm
3.5 mm	TF35008	TF35013	TF35016	TF35020	TF35024	TF35028	TF35032	TF35036	TF35040	TF35043	TF35047	4.5 mm
4.0 mm	TF40008	TF40013	TF40016	TF40020	TF40024	TF40028	TF40032	TF40036	TF40040	TF40043	TF40047	5.5 mm
4.5 mm	TF45008	TF45013	TF45016	TF45020	TF45024	TF45028	TF45032	TF45036	TF45040	TF45043	TF45047	5.5 mm

## Stent Specification

### STENT SPECIFICATION

Design	Open cell with unique alternate LDS link	Crossing Profile (mm)	0.038" (3x20mm)
Material	L-605 Cobalt Chromium	Guide Catheter Compatibility	5 F
Drug	Everolimus	Guidewire Compatibility	0.014"
Drug Dose	1.2 $\mu\text{m m}^2$	Nominal Pressure	9 atm
Polymer	Biogredable and Biocompatible	Rated Burst Pressure	16 atm
Strut Thickness	65 $\mu$	Shaft Length	145 cm
Diameter (mm)	2,2.25,2.5,2.75,3,3.5,4 & 4.5	Ballon Overhang	$\leq 0.5$ mm
Length (mm)	8,13,16,20,24,28,32,36,40,43 & 47	Proximal Shaft Diameter†	2.13 F
Recoil	$\leq 5\%$	Distal Shaft Diameter†	2.7 F
Delivery System	Rapid Exchange		
Tip Entry Profile (mm)	0.016"		



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Manufacturer  
Kamal Encon Industries Limited.

Plot No. 917, Sector 68, IMT Faridabad, Haryana - 121001, INDIA

# Our Core Business

## Introduction

Kamal has commissioned 50,000 sq. ft state of the art manufacturing facility at TM Faridabad Haryana. The facility has been built as per International Standard ISO 13485.

Kamal's dedicated 400+workforce, through Amalgamation of innovation and Technology, has enabled introduction of world class quality Products and Devices which have found ready acceptance and sustained support across a broad spectrum of users worldwide. Our Healthcare vertical is committed to your success with Best in Class Medical Devices and Services.



**Unique stent design with proven efficacy of Sirolimus Drug and Biodegradable and Biocompatible Polymers resulted into Trackflex with excellent safety & efficacy profile**

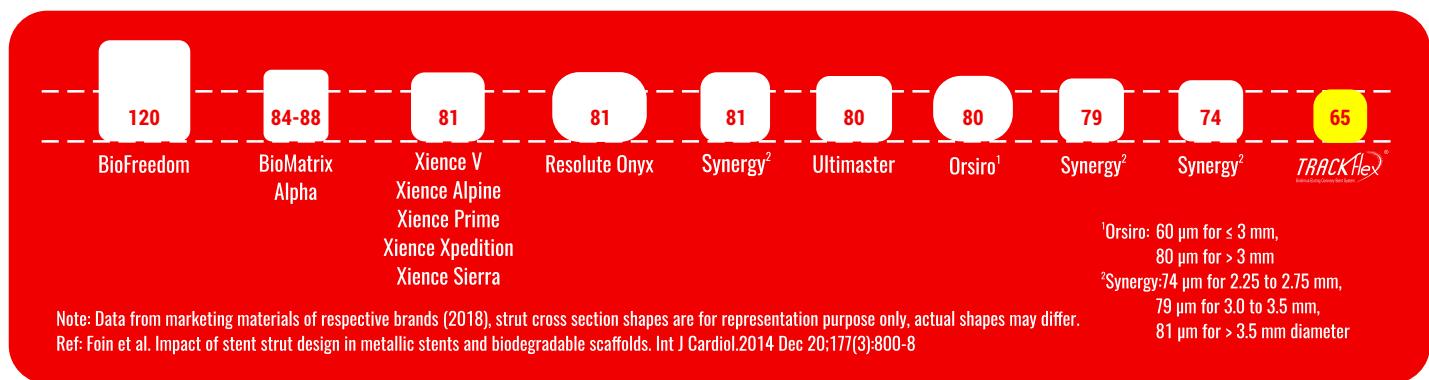
Sirolimus Drug being more lipophilic than other limus family drug, penetrates rapidly at the target lesion and provides rapid cell inhibitory action. Sirolimus stents are well proven to show less restenosis, stent thrombosis and perprocedural myocardial infarction compared to earlier generation of Drug Eluting Stents.



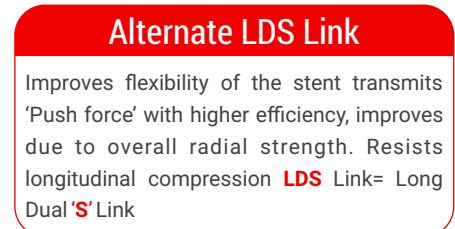
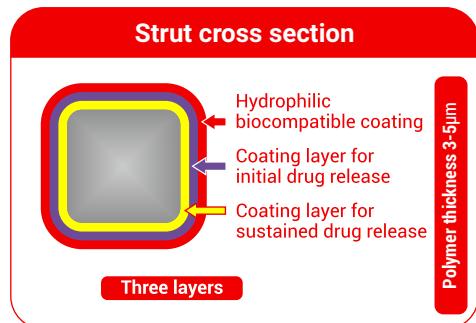
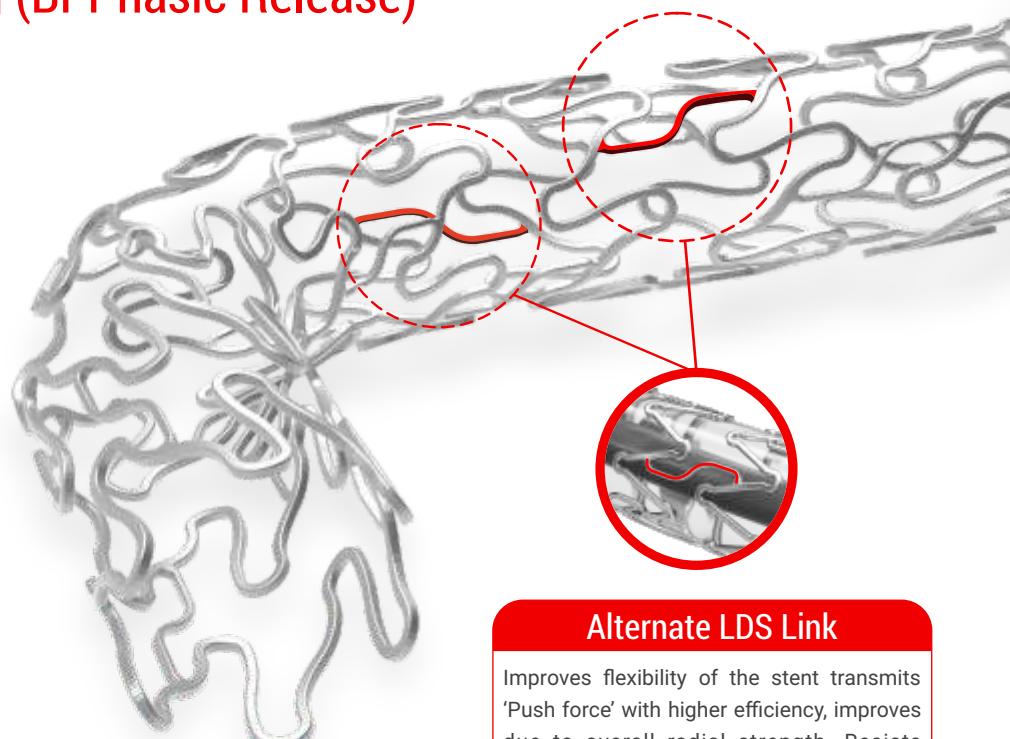
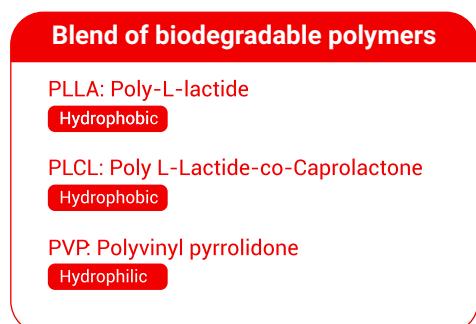
**El Cura** is a Medical Division  
of Kamal Encon

## Introducing the Trackflex® Sirolimus Eluting Stent system with ultra thin struts and bioabsorbable polymer.

Trackflex® is a unique stent which has been designed using artificial intelligence to get the most flexible and deliverable design. It has ultrathin struts of 65 microns with an alternate **long dual S link** which improves flexibility of the stent, transmits push force with higher efficiency, improve overall radial strength and resists longitudinal compression.

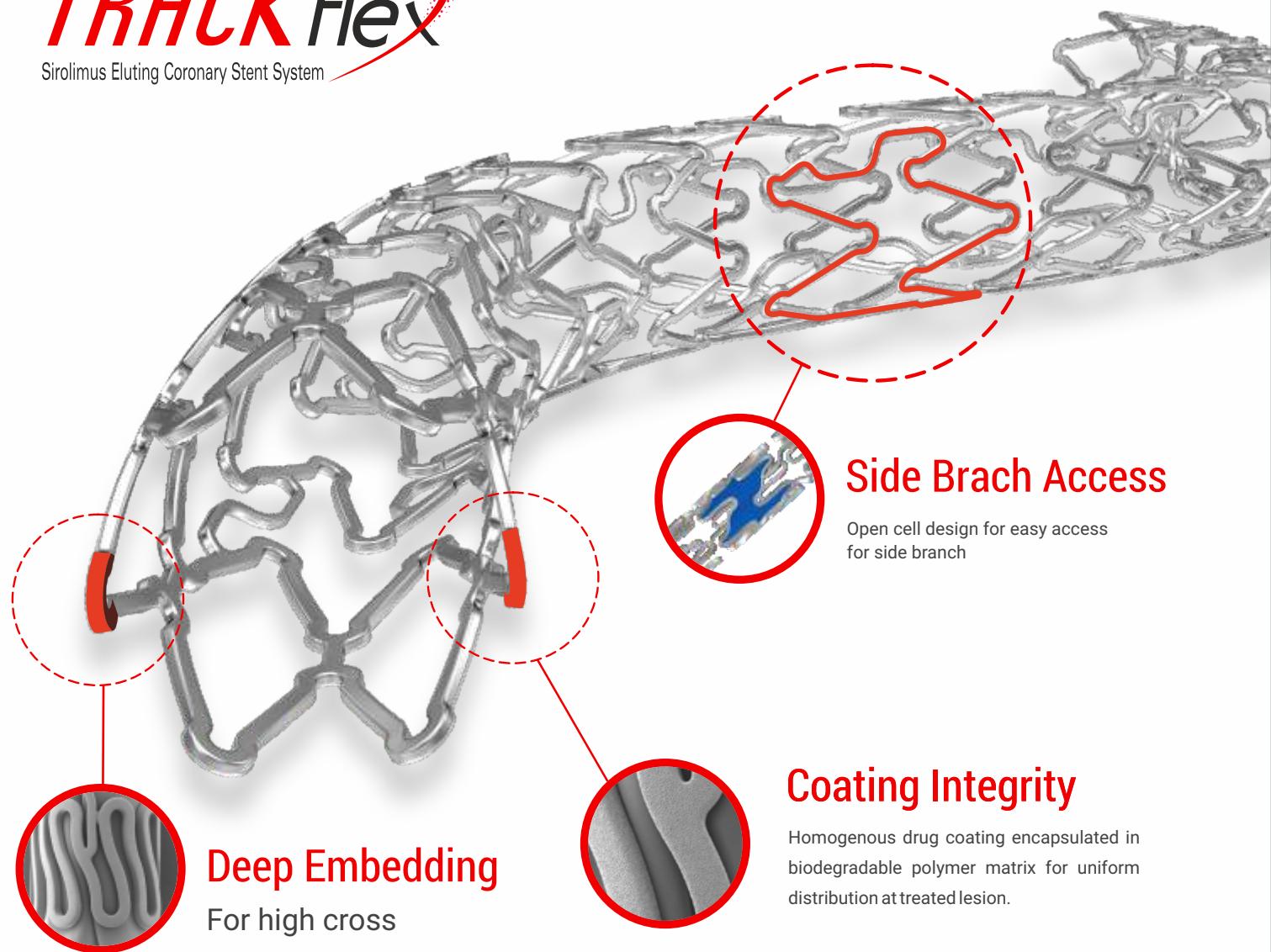


### Unique blend of hydrophilic-hydrophobic biodegradable polymers to elute Everolimus drug (Bi-Phasic Release)

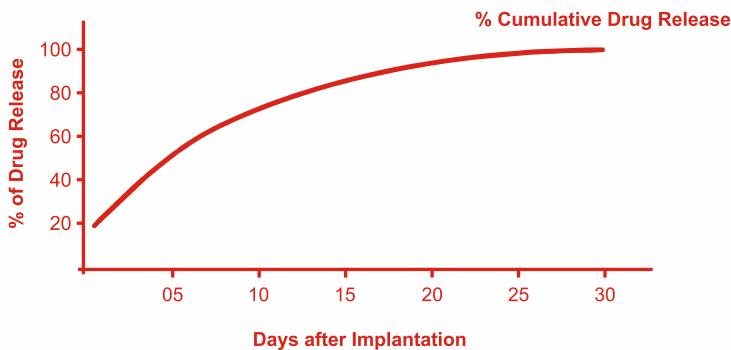




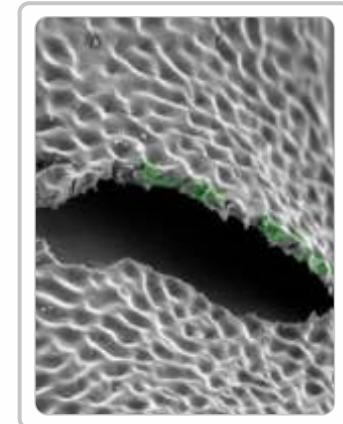
Sirolimus Eluting Coronary Stent System



#### Drug Release Profile:



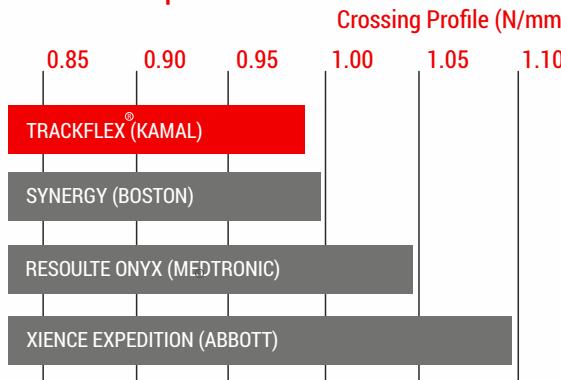
Trackflex<sup>®</sup> has proven drug release kinetics. Initial burst of Trackflex<sup>®</sup> followed by sustained release up to 50 Days. Biodegradable polymers completely degrade by hydrolysis & enzymatic degradation which is eventually excreted from body in form of  $\text{CO}_2$  and  $\text{H}_2\text{O}$ .



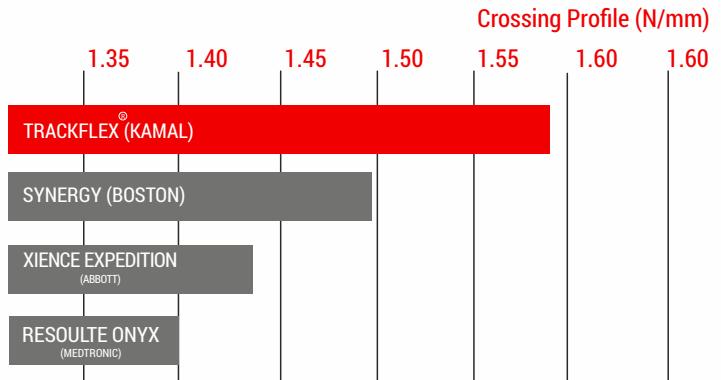
A very fine drug-polymer thickness of 3-5 $\mu\text{m}$  reduces tissue polymer contact which eventually resulted into fast remodelling of artery.

Proprietary blend of Sirolimus drug & Biodegradable polymers provides the initial burst release, following to 80% within 30 days and remaining 20% programmed to get released for 60 days. Release kinetics was designed to enhance the arterial healing process.

Flexibility like never before with  
Lower stent profile



Higher the radial strength, stronger the stent  
And lower the stent recoil



## Key features and benefits for an ideal stent

Ultra thin struts 65 $\mu$	<i>Lower inflammation, faster endothelisation and reduces the risk of stent thrombosis</i>
Biodegradable Polymer	<i>Offers improved vessel healing, long term safety in terms of death, stent thrombosis and myocardial infarction.</i>
Everolimus drug	<i>Time tested and proven drug</i>
Negligible foreshortening	<i>Ideal for ostial and bifurcation lesions</i>
Open cell with alternate long dual S link	<i>Ideal for side branch access and improves flexibility</i>
AI derived stent design	<i>Designed to improve trackability and flexibility of the stent leading to first choice of stent in CHIP cases.</i>
Higher tensile strength	<i>Attributes to kink resistance and flexible performance of SDS</i>
Uniform stent design	<i>Leads to unidirectional stent expansion reducing chances of vessel injury</i>
Wide size matrix (2-4.5 and 8-47 mm)	<i>Offers ideal size for real life cases.</i>
Wavy strut pattern	<i>Contributes to larger angle during expansion eventually leading to better stent flexibility</i>
Ideal overexpansion limits	<i>Leads to treat complex cases with anatomical anomalies.</i>
Ultr low tip profile	<i>Gives resistance free trackability and crossability</i>
Platinum iridium markers	<i>Precisely placed within balloon cones for accurate stent positioning &amp; placement</i>
Low recoil	<i>Avoids the risk of malposition and restenosis</i>