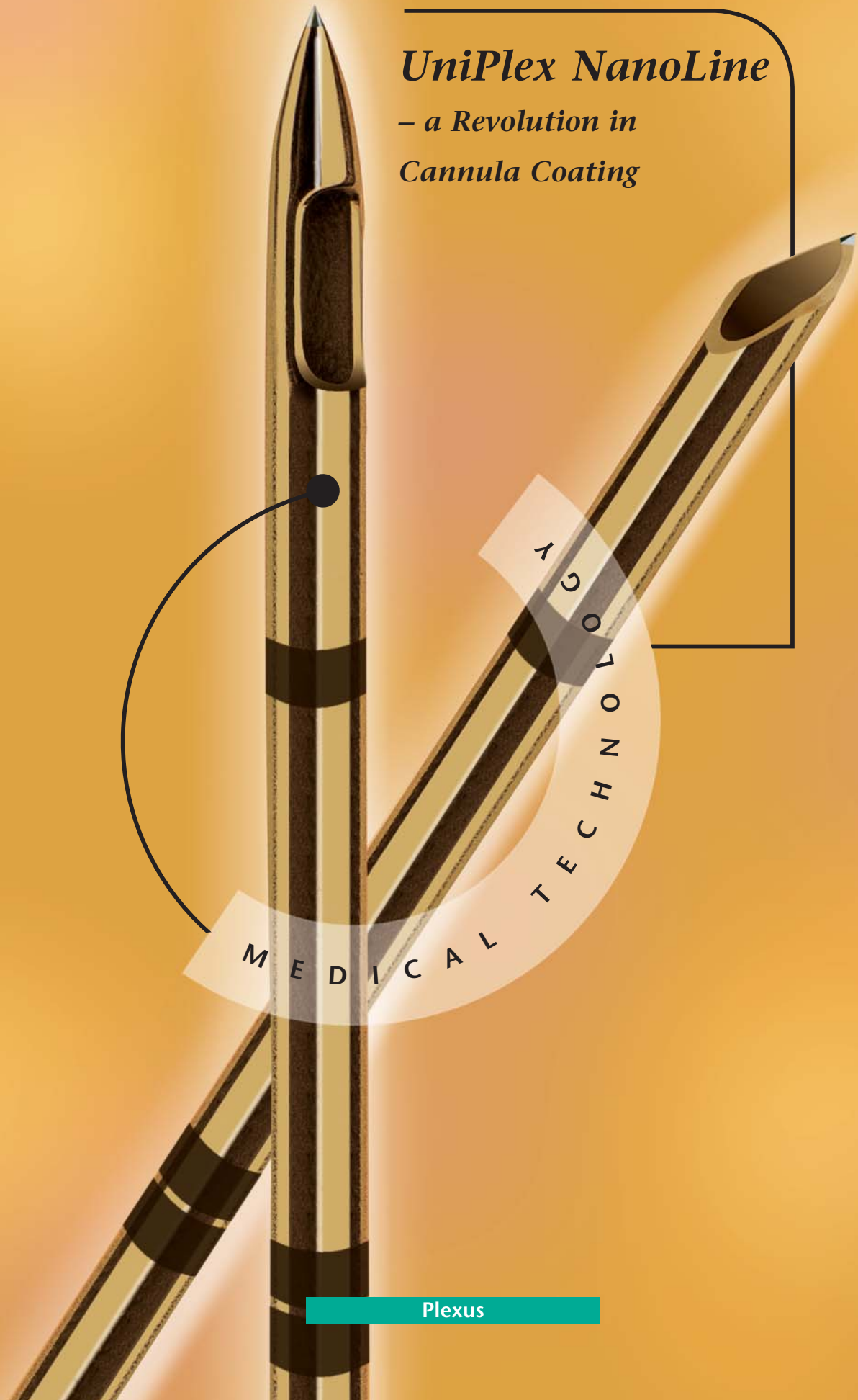


PAJUNK®

UniPlex NanoLine

*– a Revolution in
Cannula Coating*



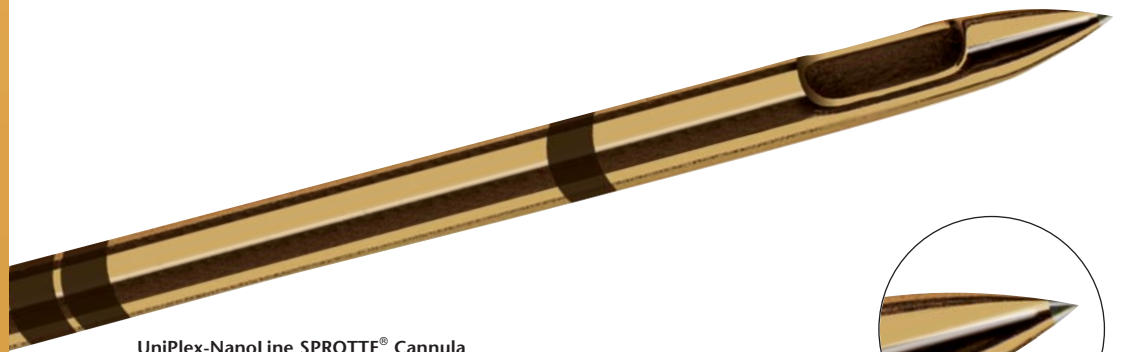
Plexus

World Novelty in Plexus Anesthesia

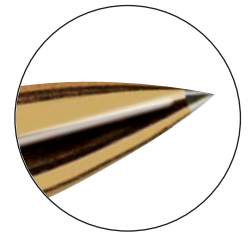
Higher Precision Less Puncture Force required

With NanoLine, PAJUNK® introduces a world novelty in the area of cannula coating. By utilizing the new thin coat technology, the insulated coating is reduced to a minimum providing the same insulation quality. Extensive tests performed by leading anesthesiologists show that as a result of the polymer coating,

the puncture may be conducted more subtle and the nerve stimulation has proven to be more precise. The coating material of NanoLine was tested for several years and its compatibility has been proven within the scope of bio-compatibility- and sensibility tests.



UniPlex-NanoLine SPROTTE® Cannula



The conductive, non insulated tip showing a very smooth transition toward the coating



SPROTTE® Cannula with conventional coating



Cannula with facet polish and conventional coating

Conventional Insulating Coating

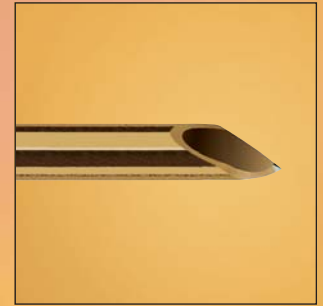
Within the conventional, currently widely used coating process, the stimulating cannula is coated with a white insulating material. This insulating layer used to hinder the puncture performance of the cannula, with its density and inevitable irregularities – especially at the junction to the non insulated tip. The contact point is configured more precisely with the Nano coating, as well.

The revolutionary NanoLine-Coating

The new NanoLine PAJUNK® coating process enables PAJUNK® to achieve the same outstanding insulating characteristics when compared to conventional methods. The main advantage of the method is the fact that the new coating process allows to perfectly insulate the needle with a very thin layer which virtually does not change the outer diameter of the cannula or affect its evenness. The perfect evenness and the exact tip of the NanoLine cannula reduce the puncture force and allow for a highly precise stimulation.



UniPlex-NanoLine Cannula with SPROTTE® Tip



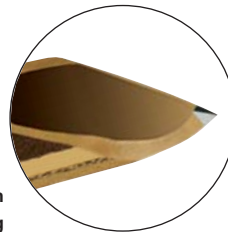
UniPlex-NanoLine Cannula with facet polish

Trademark – Gold Shimmer

The NanoLine coating is transparent and so thin that it can only be perceived by the light golden coloring. The contact point for the nerve stimulation at the tip of the cannula remains non insulated.



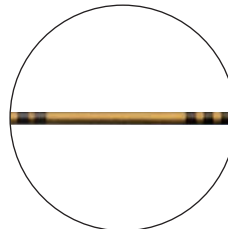
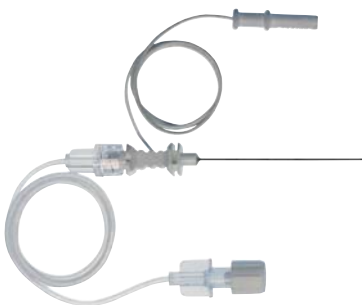
UniPlex-NanoLine Cannula with Facet Tip



The conductive tip with its very smooth transition towards the coating

Penetration Marking included

For exact orientation all UniPlex cannulae now have a clearly visible penetration marking in centimeters.



Ideal Inner Coating



The NanoLine coating provides for leveling uneven surfaces and for a better flow of the anesthetic in the inner lumen.

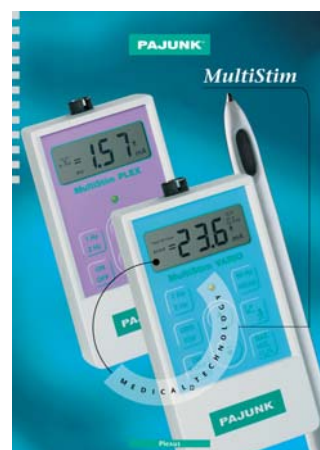
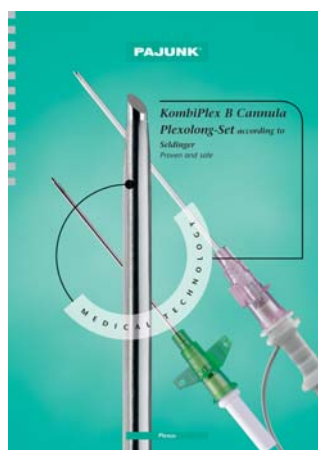
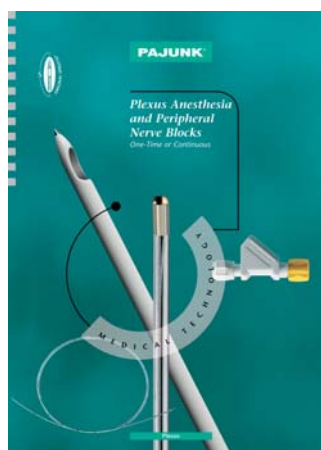
NanoLine Cannulae complete:

At A Glance

UniPlex-NanoLine Cannula



Product	Size	Length (mm)	Inch	Item no.
UniPlex-NanoLine Facet Polish				
UP 3/40	22 G	40	1 5/8	001156-70
UP 3/50	22 G	50	2	001156-74
UP 3/80	22 G	80	3 1/4	001156-71
UP 3/100	21 G	100	4	001156-77
UP 3/120	20 G	120	4 3/4	001156-72
UP 3/150	20 G	150	6	001156-76
UniPlex-NanoLine SPROTTE®				
UPS 3/40	24 G	40	1 5/8	001156-30G
UPS 3/50	22 G	50	2	001156-31G
UPS 3/70	22 G	70	2 3/4	001156-31H
UPS 3/90	22 G	90	3 1/2	001156-31J



PAJUNK GmbH

Medical Technology

Karl-Hall-Strasse 1

D-78187 Geisingen

Phone +49 (0) 77 04/92 91-0

Fax +49 (0) 77 04/92 91-6 00

www.pajunk.com