

PHARMA-  
PACKAGING

# GLASS TUBING

FOR PHARMACEUTICAL PACKAGING

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With a worldwide manufacturing footprint of 19 plants, multiple sales offices and internal lab services, Nipro PharmaPackaging offers an exceptional service platform. Through its personnel, products and services, Nipro PharmaPackaging enables you to provide a safer and healthier administration to your customers.

Nipro PharmaPackaging is part of the Japanese Nipro Corporation, established in 1954. With over 20000 employees worldwide, as a leading global healthcare company, Nipro serves the “Pharmaceuticals”, “Medical devices” and “PharmaPackaging” industries.

# NIPRO PHARMAPACKAGING

Nipro PharmaPackaging is specialized in developing and manufacturing advanced pharma packaging products and complete packaging solutions for early development drugs or enhancement of packaging solutions of existing drugs.



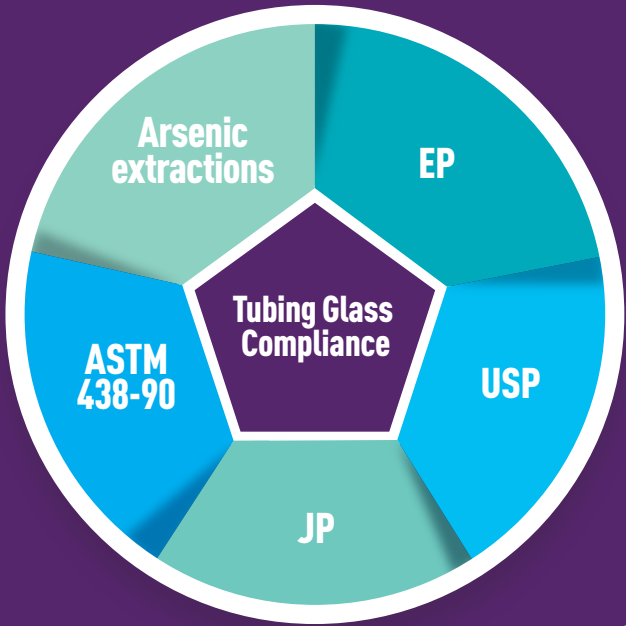
# QUALITY REFLECTED IN GLASS

Nipro PharmaPackaging is manufacturing glass tubing as well as primary packaging. Understanding the quality requirements of the final primary packaging enables us to manufacture the matching glass tubing quality.

Our quality system controls all processes from the batch house, where raw materials are received and mixed, through the melting and forming processes, to the tube finishing, packing and warehouse storing.

Nipro PharmaPackaging tube drawings sites are certified according to ISO 9001, ISO 15378, ISO 14001 and OHSAS 18001.

The premium quality of our glass tubing is reflected by an exceptional hydrolytic resistance and narrow dimensional & cosmetic tolerances. It serves as an excellent material for forming high quality primary packaging!



# NIPRO PREMIUM GLASS TUBING

A large majority of pharmaceutical companies rely on primary packaging made out of tubular glass to protect their drugs. The quality of the glass tubing is one of the key elements that will define the quality of the final primary packaging.

## CUSTOMIZE YOUR GLASS TUBING QUALITY

We offer you the possibility to choose the specifications of the tubing glass that will be used to produce your primary packaging. This approach allows you to have an optimal match between your packaging requirements and the tubing glass.



**SUPERIOR :** Tighter cosmetic & dimensional tolerances

**PLUS :** Tighter cosmetic tolerances

**STANDARD :** Standard market tolerances

## LARGE GLOBAL NETWORK

Nipro PharmaPackaging, with a global capacity of more than 90000 metric tons is one of the largest glass tubing manufacturers in the world. Our plant network comprises five drawing sites spread over three continents, offering a global approach with local solutions. A wide range of premium quality clear and amber glass tubing is manufactured applying Vello and Danner drawing processes.

## STATE-OF-THE-ART MANUFACTURING PROCESS

Dimensional and cosmetic inspections are carried out 100% in-line, using automated vision control systems. Moreover, manual inspection comes as a back-up, in order to ensure that all quality parameters are met. Statistical Process Control (SPC) methodology provides control of our process at the point of manufacturing. The SPC systems at our production sites allow real-time, data driven decisions to the processes, thereby reducing variability and scrap. Our sites work with shared systems to ensure consistency in product, processes, and technology across our tube draw operations. Irrespectively of the plant, you will receive the same premium quality glass tubing all over the world!

## CONTINUOUS IMPROVEMENT

At our factories, continuous improvement is a priority. It enables us to answer to our customer needs by providing tubing glass fulfilling market requirements, today and tomorrow.

## PRODUCT RANGE

NSV51*	W33	WG06*	G38	BSA60
Clear	Clear	Clear	Amber	Amber
Borosilicate	Borosilicate	Soda Lime	Borosilicate	Borosilicate
Type I	Type I	Type III	Type III	Type I
Exp.:51	Exp.: 33	Exp.: 93	Exp.: 76	Exp.: 60

\*Optional with cerium