

**Finishing News  
For The  
Knitted Textile  
Industry**

# The Finish Line

*Dear Customer,*



*I'm excited to share with you the news that effective November 1, 2006 Tube-Tex Global Group will become **Navis Global**. This name change is one piece of an over-arching program to build a stronger company with the size and strength to deliver the most innovative technology and world class customer support to the global textile industry. In addition, we are launching three distinct product lines today that will serve our global customers. First, our Tubular Knit Finishing Machinery will be sold under the **Navis TubeTex** brand. Second, our Woven & Non-Woven Finishing Machinery will be sold under the **Navis PlanaTex** brand. Finally, our Open Width Knit Finishing Machinery will be sold under the **Navis ArrayTex** brand.*

*Tube-Tex has a rich history in serving the "tubular" knit finishing industry with quality products and service. This segment is still a core part of our business and we remain committed to retaining our leadership in the "tubular" knit finishing market. However, our business has grown substantially in recent years with the acquisition of multiple companies serving the woven and non-woven textile industry and several recent breakthrough developments in our open width knit finishing product line. Therefore, it is now the time to reflect this change in our name.*

*Over the last 77 years our customers have come to expect the most innovative technology, world class customer support and cost effective solutions to their finishing needs. Today, we have a renewed and invigorated commitment to meeting and exceeding those expectations. **Navis Global** is uniquely positioned to help you navigate the challenges of tomorrow while serving your needs today.*

*William J. Motchar  
President and CEO  
Navis Global*

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For more information on Navis Global products and services visit us on-line at **www.navisglobal.com**

**NAVIS  
GLOBAL** 

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# Tube-Tex Global Group Becomes Navis Global

Dear Customers, Vendors, Agents and Partners:

As featured in the enclosed Letter from the President, it is with great privilege and excitement that the Management Team and Board of Directors make you aware of our decision to reposition the longstanding Tube-Tex corporate name and announce our new umbrella company name, Navis Global. This change was not made lightly and is the culmination of six months of extensive research and discussion both internally and with outside specialists. Our industry is very dynamic and demands that we continually look beyond the near horizon to find new ways to add value while maintaining our core focus. The years of hard work and innovation that have come to be symbolized in the Tube-Tex Global Group name will not only be carried forward but expanded.

This letter will provide an explanation as to the reasoning behind the repositioning of the Tube-Tex brand and creation of our new product brands. In the coming weeks and months you will see a bold new look both for our company and the strong focused product lines it represents.

We hope that you will join us in celebrating the changes announced today, as well as, the critical constants which have guided our organization since its inception.

## Why Change?

As the textile industry has evolved, new demands and processes have served to increasingly segment the market. In response, we were compelled to offer finishing products within and outside of knit finishing. As well, our effort to stay ahead of these dynamic changes in the market has influenced our growth strategy to include focus on organic growth and growth through acquisition. This growth and product expansion helped us evolve into a stronger all encompassing finishing machinery company. It would be necessary for the look and name of the company to reflect this new position.

We have a strong historical reputation for innovation and service in knit finishing. In order to continue striving to improve this position and in an effort to leverage this position with products and services for the woven and non-woven markets, it was necessary to reorganize into three distinct product lines. While each product line will have its own independent focus, name, look and products that are targeted to its unique market needs, the collective synergy of the Navis Global organization will ensure future stability and strength across all product lines.



In the 2nd century A.D. the Roman astrologer Ptolemy of

Alexandria grouped 1022 stars into 48 Constellations. The largest of these was named Argo Navis. The Greek word Navis literally means "Ship" and its use for our new corporate name was not chosen by accident. In the search for a name and imagery that would convey our scale, pioneering spirit and the need to have clear direction in the international marketplace, Navis is an excellent fit. The Navis name and story represents all that Tube-Tex has built and that which we strive to become.



The new name for open width knit finishing. The word "Array" implies an impressive display or an arrangement of items in rows

and columns. The name ArrayTex recognizes that the process of open width finishing creates unique challenges as the critical alignment of warp and weft are spread over a larger area than that in tubular finishing. Equipment and set up tolerances are much tighter in the open width process and fabrics edges can give finishers additional challenges.

We are staying ahead of the growth curve in "open width" finishing with the release of new products and a new focus under the product group Navis ArrayTex. The products that fall under this division will be designed to work in concert with each other and provide the flexibility and precision required to meet the highest quality specifications.



Plana is Latin for "Plateau" or in our context "Flat" or "Open". PlanaTex will represent our

continued commitment to the woven and non-woven industries.

The purchase of Marshall and Williams by Tube-Tex in 2000 was a major step into the wovens and non-wovens marketplace. Since that time, knowledge and ideas have been passed among engineering, product design and process experts from both companies. PlanaTex will be the culmination of this integration and will be used to give the market clear direction as to how our robust product line can get them where they want to go.



The name that needs no introduction. From Buenos Aires to Beijing the world is well aware of

our deep roots in tubular finishing and our commitment to local service. The leaders of this division have a mandate to build on the Tube-Tex reputation of being the global leader for tubular knit finishing. By keeping and incorporating the TubeTex name into our new structure we will parlay the strengths of the TubeTex brand.

The use of terms such as industry leader, customer commitment and reacting to a dynamic marketplace are indicative of the depth, breadth and mission that have always guided our company and why we have decided to further emphasize them through our name change. Our industry is always moving and adapting. So too should our name as we continually position ourselves to respond to evolutions within our industry, our teams and the markets we serve.

# NAVIS Compass



Navis Global has completely revamped the Operator Interface (HMI) of the whole line of new machines. It is a complete control center for the entire range. Using the latest PLC's, digital drives, control software and color touch screens, the system is packed with range control features, yet



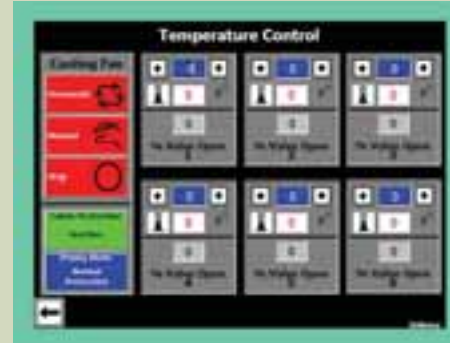
is easy to learn and intuitive to operate. The operator performs all range control functions by following icon based, multilingual operator screens. The range can be completely controlled by the fully functional Navis Compass terminals located at each end of the range. Additional terminals are available.

## Standard features include:

- Basic range control (temperature & speed settings, width control, etc.)
- Alarm annunciation
- Recipe functions
- Password protected maintenance screens for detailed modifications & periodic tests
- Modem for remote / in factory troubleshooting
- Color monitor / camera system for operator at entry to observe material leaving the tenter

In addition to this standard functionality, two new features have been incorporated into the Navis Compass. With minimal set-up, the Navis Compass LOT CHANGE function can be configured to optimize energy usage during style change over and then automatically begin processing after the new style is ready and range parameters are within tolerance. This feature optimizes energy usage and downtime automatically. The operator need only be concerned with loading material in the range and not tenter control settings. This feature is designed to make small lots and easy change over even faster and easier.

The other new feature is Navis Compass FABRIC PROTECTION function. A user selectable function allows the system to monitor the material during planned or un-planned range stops and insure that fabric temperature does not become scorched. In addition to protecting the material, the FABRIC PROTECTION feature allows for a faster re-start when the range is read to run again.



## Accessory Equipment

In addition to the wide range of features in the standard system, the Navis Compass can accommodate a large range of third party accessories. Here is a sampling:

- Exhaust Humidity Control System (EHC) – The EHC system measures the total moisture in the exhaust air and automatically adjusts the exhaust fan motor via inverter to optimized process energy. The set points can be saved as part of the recipe for easy change over.
- Pyrometric Fabric Detection System (PFD) – The PFD measures the actual web / fabric temperature in the stenter during operation. Multiple sensors in the stenter area will show the temperature profile and can be integrated into ISIS to adjust the range speed to maintain heat setting or curing specifications.
- Infrared Web Exit Temperature (IWET) – The IWET measures the exit fabric temperature that is integrated into the ISIS to adjust the range speed to optimize drying operations.

## Navis ArrayTex Pak Nit 100

The newest member of the Navis ArrayTex family is the Navis ArrayTex Pak Nit 100 Open Width Compactor. The Pak Nit 100 is a revolution in open width knit finishing. The machine is the culmination of extensive engineering and research efforts. Extensive uses of new materials and manufacturing techniques have produced a new machine that could not have even been produced just a few years ago.

The New Pak Nit 100 has a working width of 100 inches (2500 mm). The foundation was the tubular Pak Nit which has more than 500 units running world wide. Starting with a clean sheet, improvements include the Tuff Roll™ feed and retard rolls, Encapsulated Steam-Injector steaming system, totally new Acculine pneumatic system and Third Generation Oil Heating system. These engineering breakthroughs mean faster change over for fabric styles and higher quality while reducing running cost.

The Navis Compass Operator controls have been completely redesigned and are a full Siemens package. Multiple language options, remote troubleshooting and automatic operator features make operation and maintenance simple for any region around the world. This control system is designed to be uniform across the full range of equipment.

The machine will produce high quality outerwear and apparel knit fabrics with a softer hand, and superior shrinkage control, width control and yield control. Optional Automatic Width Control and Automatic Stitch Control devices are available for further ease of operation.



We will get you  
to where you  
want to go.



## We're Growing!

Navis Global is growing again with the expansion of our China Offices. Tube-Tex opened the first direct office in China in 1996 in Shanghai. With the introduction of Mr. David Russell as General Manager, China, Navis Global has expanded the depth and coverage of the China market. Mr. Russell has a National Sales Manager, Mr. Johnson Yuan and a complete Sales and Service staff covering all of China.

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