

May, 2019  
TSUDAKOMA Corp.



## 1. Exhibition theme

# Smart Ecology ~Ecology and Economy in Harmony~

TSUDAKOMA Corp. will exhibit at ITMA 2019 to be held from 20 to 26 June 2019 at Fira De Barcelona, Gran Via in Spain. (Hall 4-B212)

In 2019, TSUDAKOMA celebrates its 110th anniversary. Provided with basic technology proven in our long history and innovation creating the next-generation, TSUDAKOMA's textile machines, a constant innovator in the industry, have developed together with our customers.

TSUDAKOMA aims to realize our customer's needs with the highest quality and transcend even our own innovation. TSUDAKOMA also aims to achieve the highest fabric quality with maximum environmental performance and high-speed stable performance, that is, "Smart Ecology - Ecology and Economy in Harmony." Over the decades, TSUDAKOMA has been making progress toward it.

In response to the needs of the age and the next-generation with a view to fulfilling a sustainable world and textile industry supporting the future, TSUDAKOMA continues to explore all of what is possible with textile machines. We hope to bring the products rich in their capabilities to customers. In ITMA 2019, please let us help you drive new discovery in our products.

## 2. Exhibits

### 1) High speed weaving of mono filament of fine yarns - Production friendly for both people and the environment

#### ZAX9200i MASTER Air Jet Loom



TSUDAKOMA provides the ZAX9200i MASTER Air Jet Loom for weaving mono filament of fine yarns, traditionally a water jet loom domain. Versatility responding to advanced industrial fabric weaving, overwhelming energy-saving and air-saving performance are distributed throughout the weft insertion

elements. They are extended to all the details of the nozzles, valves, and control technologies.

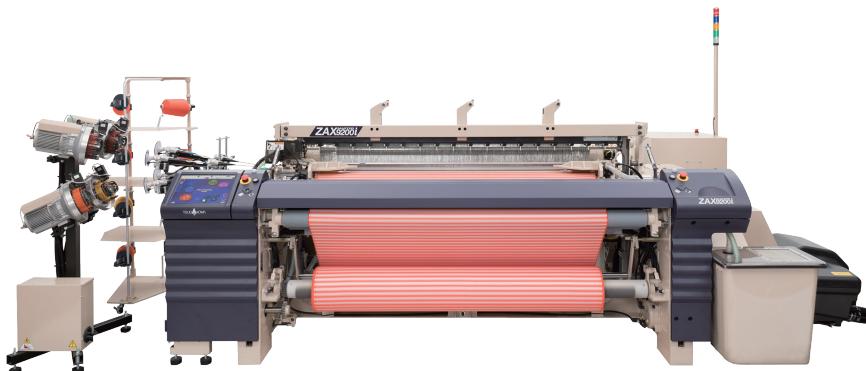
The Weave Navigation® System-II offers popular features of more accessible and intuitive screen operation. It allows you to navigate to the optimum weaving condition for difficult-to-weave fabrics.

The ZAX9200i MASTER responds to ultra-high loom speed where stable operation is an absolute requirement.

## 2) Sophisticated weft insertion module

- Weaving fabrics of different yarn kinds and different yarn thicknesses

### ZAX9200*i* MASTER Air Jet Loom



The ZAX9200*i* MASTER shows its full abilities of high-speed, air-saving, and stable performance. It supports design-rich high quality fabric which satisfies diversified life styles and the fashion-conscious. The ZAX9200*i* MASTER weaves a fabric with extensive range of kinds and thicknesses using positive electronic dobby.

It ensures air savings, high speed, low vibration, and noise reduction. The PSC Programmable Speed Control makes it possible to adjust to an optimum running speed for weft. The twin auxiliary main nozzles provide high-speed weft insertion with low tension. In combination with the PSC and the twin auxiliary main nozzles, the ZAX9200*i* MASTER achieves energy savings and comfortable performance in weaving high quality fabric without compromising productivity.

## 3) Elegant high-speed terry weaving

### ZAX9200*i* MASTER Terry Air Jet Loom



With high-speed and stable loom operation, excellent textured terry is woven. Enhanced high speed performance is achieved with energy savings and air savings. TSUDAKOMA's *i*-Weave and DSS-II Direct Sub-nozzle System make it possible to achieve the mutually exclusive goals of high speed, energy savings, and air savings. With

the PSC Programmable Speed Control, running speed is controlled in the difficult-to-weave border section. The PSC ensures top loom performance while keeping optimum production efficiency and high productivity.

The ZAX9200*i* MASTER-Terry is a high-level air jet loom condensing all the terry-weaving know-how that TSUDAKOMA has refined over the decades.

#### 4) TISS Tsudakoma Internet Support System

TSUDAKOMA provides a support system that helps users push their loom's performance to the fullest. By linking the users' looms to TSUDAKOMA via the Internet, their operation, productivity, and preventive maintenance are enhanced. The IoT technology that has recently attracted growing attention in the field of manufacturing will be demonstrated in TSUDAKOMA's booth.

### 3. Exhibit outline

#### 1. ZAX9200*i* MASTER Air Jet Loom

Reed space: 190 cm  
Fabric: Industrial fabric of fine yarns  
Shedding: Positive cam

#### 2. ZAX9200*i* MASTER Air Jet Loom

Reed space: 190 cm  
Fabric: Interior cloth  
Shedding: Positive electronic dobby

#### 3. ZAX9200*i* MASTER Terry Air Jet Loom

Reed space: 280 cm  
Fabric: Luxury bath towel (3-panel)  
Shedding: Electronic Jacquard (independent drive)

#### 4. TISS Tsudakoma Internet Support System