

High Technology

高科技

TRINCA®

意大利 特意佳



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国际市场对高端高质量织物需求日益增加,意味更多高新技术的应用,织物趋向非常多元化规格,和极广泛的应用领域

特意佳公司,应用其技术和丰富的经验,专门打造了一个崭新系列设备,配备了许多“高科技”装置和器材,以满足现时市场的需求,从而使我们久经考验并广受赞誉的材,以满足现时市场的需求,从而使我们久经考验并广受赞誉的“T.N.E.”系列织机,可据每个客户的特殊需求进行配置。

“高科技”系列涵盖了我们多年来制造特殊织机和装置所积累的技术知识,能最有效的应对下述产品及其相关领域:

- 各种金属丝织物和丝网
- 建筑应用织物和丝网
- 天然纤维织物和地毯
- 合纤织物和环状织物
- 多层结构织物

“TNE”系列织机其中一项很重要的附加功能就是可配套极广泛的**模块化设备和装置**如下述所示:

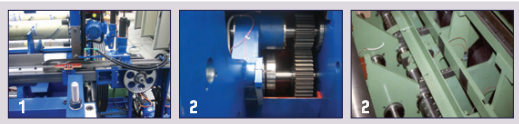
The international markets require more and more woven top quality products with a high level of technological content, fabrics with very diversified specifications to be used for many different application.

On course to meet the requirements of these markets and applying all our technical experience, TRINCA achieved a new machinery-line, which can be fitted with several “high tech” devices and equipment. This allows to customize every loom of our already well introduced weaving machine line “T.N.E.” and to build it for the very individual need of each single customer.

The machinery-line “HIGH TECHNOLOGY” incorporates all technical knowledge developed in many years as manufactures of special machinery and equipment and is intended to serve all branches for the production of:

- each kind of metal wire fabrics and wire cloth
- fabrics for architectonic applications
- natural fiber fabrics and carpets
- synthetic fabrics and felts
- multi-layer fabrics

The most important additional feature on our weaving machines “T.N.E.” is the possibility to fit them with range of **modular equipment and devices**, as follows:



### 1 引纬系统(专利)

- 带伺服电机驱动的剑杆
- 带两个伺服电机驱动的剑杆
- 有铰引纬系统,适合合纤织物,毛毯,单层或多层结构织物,需闭合式光边织物等的织造 *Weft insertion system (patented)*
- with one servomotor driven bandraper
- with two servomotor driven bandrapers
- with a shuttle weft insertion system, suitable to weave synthetic fabrics and felts, single or multilayers, with closed weaving edges

### 2 箱座运动

- 油浴槽共轭互补凸轮驱动
- 油浴槽曲柄凸轮驱动 *Sley movement*
- driven by complementary cams, running in oilbath
- driven by a crankshaft, running in oilbath

### 3 电子控制调节器

- 可根据所需的“目数”,“厘米”或“法兰码”调节织造织物,由伺服电机控制和调节经纱张力

#### Electronic controlled regulators

- possibility to weave fabrics with regulations as “mesh”, “cm” or “french number”; warp-tension control and regulation by servomotors

### 4 经轴

- 织机可配套不同类型经轴,例如:
  - 无边经轴或有边经轴
  - 筒式经轴
  - 2个或更多的经轴合成“线”配 套到有单独支撑的织机上,由伺服电机独立控制和调节经纱张力



### 7 综框运动(专利)

- 采用特意佳自行研发的多臂机,由个人计算机操控伺服电机驱动,所有综框可由键盘独立调整除了众多的优势外,此多臂机还可作开式开口或闭式开口织造,只需通过个人计算机按键便可改变模式

#### Heddleframe movement (patented)

- with a TRINCA DOBBY, driven by servomotors and controlled by a PC, which allows to carry out all heddleframe adjustments, one independent from the other by the keyboard. Beside numerous further advantages, this dobby also operates with “open shed” or “closed shed”, operating mode changed only by a key on the PC

### 9 特意佳软件

- 标准程序,也可据客户要求量身定
- The TRINCA software
- standard programs can be customized for individual requests

### 10 电动切纱装置

- 在织造过程中,于织机上按要可直接将织物切成不同的条带

#### Motorized cutting devices

- for a fabric cut in different strips directly on the loom during the weaving process



### 11 气动剪刀装置(专利产品)

- 作为纬纱准备和剪纱用途,由个人计算机控制

#### Pneumatic scissor devices (patented)

- for the weft preparing and cut, controlled by the PC

### 12 废纱装置

- 独立电机驱动,废纱张力可调节

#### Weaving edge waste accumulators

- separately motorized, with tension adjustment of the waste



#### Warpbeams

- the loom can be equipped with different warpbeams types, such as:
  - single-flat warpbeams; ring-or stir warpbeams
  - warpbeams with canister
  - 2 or more warpbeams running “in line” and fitted to the loom with a separate supporting structure, controlled by servomotors for the separate warp-tension control and regulation

### 5 三罗拉织物张力装置

- 由三罗拉系统调节织物张力和目数,经伺服电机控制

#### 3-roller fabric tensioning device

- the fabric tensioning and the mesh adjustment is carried out by a 3-roller system, controlled by servomotors

### 6 织物直接张力装置

- 织物张力和目数调整在单一经轴进行,适合应用于纱梁直接卷取织造

#### Direct fabric tensioning device

- the fabric tensioning and mesh adjustment is carried out by only one beam, suitable also for the direct upwinding of the woven fabric

### 8 织机电子控制

- 织机所有功能,以及各模块和前述各种装置的同步均由个人计算机集中控制

#### The electronic loom control

- by a personal computer which controls and synchronizes all weaving functions, as well as also the various modular equipment and devices listed



# High Technology

意大利特意佳金属丝网织机荟萃最前沿高科技

## 13 预卷纬储纬机 (专利产品)

- 预卷纬储纬机有3个不同的尺寸,, 型号: T300, T600, T1000. 均可连接织机, 适用于各种原料类型和不同线径的纱线

### *Weft prespooler (patented)*

- three prespooler models, T300 - T600 and T1000, built in 3 different dimensions, prepared to be connected to the loom and suitable for each diameter and material quality to be woven



## 14 整经装置

整经机 配备了微处理器, 适用于经纱张力控制和调整:

- 锥形无边经轴
- 整经装置
- 有边盘经轴整经装置
- 筒型经轴整经装置

### *WARPING DEVICES*

*Beamers* equipped with microprocessors, suitable for the tension control and adjustment of the warp:

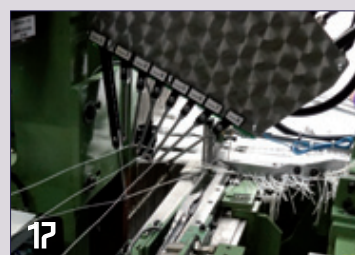
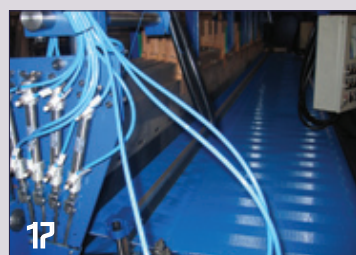
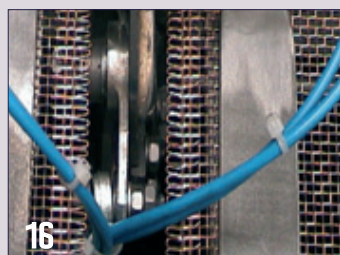
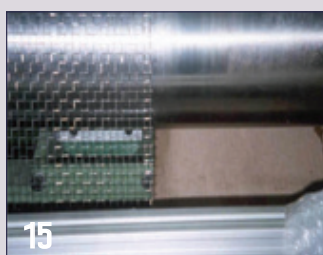
- warping devices for flat warpbeams with conical warping
- warping devices for ring (stir) warpbeams
- warping devices for canister

## 15 织边焊接边装置 (用于织造传送带)

- 安装此装置到织机上, 于织造过程可直接切割和焊接布边

### *Weaving edge welding devices (for transport belts)*

- this device is prepared to cut and to weld the edges directly on the loom during the weaving process



气动式/Pneumatic

马达式/Motorized

## 16 折入边装置(专利)

- 在织造过程中, 利用此装置将纬纱折叠和锁闭入织物, 形成封闭式光边

### *Weaving edge tucker device (patented)*

- this device is suitable for the forming of closed edges by folding the weft and closing it into the fabric during the weaving process

## 17 纬纱选色装置

- 配套此装置令客户可使用一种以上纬纱在同一织物上进行织造即使不同纱径和性质的丝/线

### *Weft colour change devices*

- this device allows to weave with more than one weft, even with different weft diameters and wire/yarn qualities

## 18 纱线轧花装置

- 此装置适合纬纱和经纱的轧花

### *Wire crimping devices*

- this device is suitable for the crimping of weft and also warp wires

## 19 轧花纬纱准备装置

- 此装置可以对线径极大的丝或杆进行织前轧花处理

### *Weft preparing devices for pre-crimped wires*

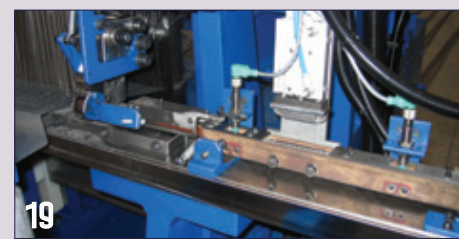
- this device allows to prepare pre-crimped wires and rods with larger diameters for the weaving process

## 20 轧花纱线织物织机

- 特殊类型织机, 专为用户使用轧花丝线织造极高负载丝网

### *Weaving machines for pre-crimped fabrics*

- this is a special weaving machine, suitable for weaving very heavy fabrics with pre-crimped wires



这仅是我们产品范围的简要说明. 我们以及我们的代理商可随时与我们客户就其所需织机特殊要求和个性化设计, 进行充分探讨...

This is only a brief description of our product range. We are always available to discuss with our customers their special requirements and design individual weaving machines for their special...

# 型号. OR-E 200

电子驱动和控制整经机

Electronically driven and controlled warping device (beamer)

机器冠名阐述:

OR = 整经机

E = 电子式

200 = 整经最大幅宽 (可按所需规格定制)

- 适用于罐式经轴;
- 钢支撑结构;
- 钢制墙板支撑全部传动件;
- 整经通道-宽 200 毫米,包含:
  - 镀铬轴作经纱张力控制,
  - 1 斜箱,
  - 1 导纱装置;
- 线性导槽, 铝合金制造, 支撑经纱通道架;
- 带所有电器控制原件的电柜箱, 包含:
  - 按钮面板置于纱架, 包括: 开车-倒车-点动按钮 - 编程键盘, 微处理器 - 带(2行) 16 按键触摸屏显示个人电脑, 可作设定数据, 警示, 速度, 插入编程数.
  - 设置参数: 整经转数
  - 速度: 转/分钟, 米/分钟, 加速和减速曲线, - 经纱线断止控制

可由键盘对整经机实施编程及控制.

Machine description:

OR = warping device

E = electronically

200 = warping width max. canister (max measure on request)

- suitable for canister;
- steel supporting structure;
- steelmade sideframe, supporting all transmission parts
- warping carriage – width: 200 mm, complete with:
  - chrome plated beam for the warp-wire tensioning
  - 1 slanting reed
  - 1 grading device
- linear guides, alu-profile made, suitable to support the warping carriage
- switchboard with all electronically control parts, complete with:
  - pushbutton panel fitted on the carriage, complete with: pushbutton for operating reverse operating - impulse operating
  - programming keyboard and a microprocessor
  - display with 16 keys (2 lanes) which shows the setted data, the alarms, the speed and the memory stored programmes
  - setting possibility of following data: warping turns
  - speed: turns/minute or meter/minute – acceleration ramp and deceleration ramp
  - warp-wire breaking control

This warping device (beamer) can be programmed and controlled by the keyboard.



## WELDING DEVICE FOR FABRIC EDGE WELDING

To be palced on the fabric take-up device, suitable for welding wire diameters from 0,30 mm. up to 1,6 mm.



### 布边焊接装置:

应装在捲布装置上, 适合焊接纱线直径由 0.30毫米至 1.6毫米.



机器冠名阐述:

**OR** = 整经机  
**E** = 电子式

### 技术规格:

整经机可从左侧或右侧做整经,并适用于罐式及带法兰经轴. 罗拉直径由200至1200毫米  
整经门幅100至6000毫米. 经纱车架上设有显示屏和键盘  
可设置和调节:

- 经纱张力由荷重元件管控;
- 加速和减速曲线;
- 可视化显示经纱速度, 米/分钟和层/分钟;
- 经纱片层显示.

### 机器控制装置:

全方位的机器控制,包括所有的参数设定和操作功调节均由特意佳TRINCA织机管理系统专项研发的电器控制系统处理.特意佳管理系统建基於载有视窗(Windows)CE作业系统的工业级个人电脑,管控全部参数以及所有的控制功能.全体电子和电器控制装置均安装在主电器柜内.

Machine description:

**OR** = warping machine  
**E** = electronic

### TECHNICAL FEATURE

This warping machine is appropriate to warp from the left or right side as well as on Canisters / flanged beams. Roller diameters from 200 up to max. 1200 mm and warp width between 100 until 6000 mm. By the use of the keyboard and the monitor which are installed on the warp cart it is possible to set and control:

- warp tension by load cell;
- acceleration and deceleration ramp;
- warp speed with indicator meter/min and layerss/min.;
- number of warped layers.

### CONTROL DEVICE:

The complete warp control, all data settings and operating function adjustments are carried out by the TRINCA electronic control device. This has especially been developed by TRINCA over the years.

All electronically and electric control devices are installed inside the main switchboard and all data, as well as warp driving and control functions, are developed by an industrial PC with software windows CE.

