Tessuti metallici

金屬絲網 Wire mesh

macchine per la produzione di tessuti tecnici

技術織物織機

weaving machines for the production of technical fabrics

TRINCA®

macchine per la produzione di tessuti tecnici

weaving machines for the production of technical fabrics

技術織物織機

TRINCA®

LA STORIA
回眸 history

特意佳（TRINCA）公司成立於1940年,現已成為研發和製造技術用布織機及其多項專用設備的首要廠家.數十年來專注技術用布織機研發生產所沉澱來的豐厚堅實經驗,加上可持續發展的戰略投資計劃,高層次技術和建設,造就我們在歐洲和世界各地的成功和廣泛的增加銷售量.目前特意佳（TRINCA）產品範圍:全電子驅動的織機, 客戶現有織機改造套件.技術用布織造特殊裝置,如新型經軸裝置,預卷緯機,布邊焊接裝置和12色選緯裝置等等.

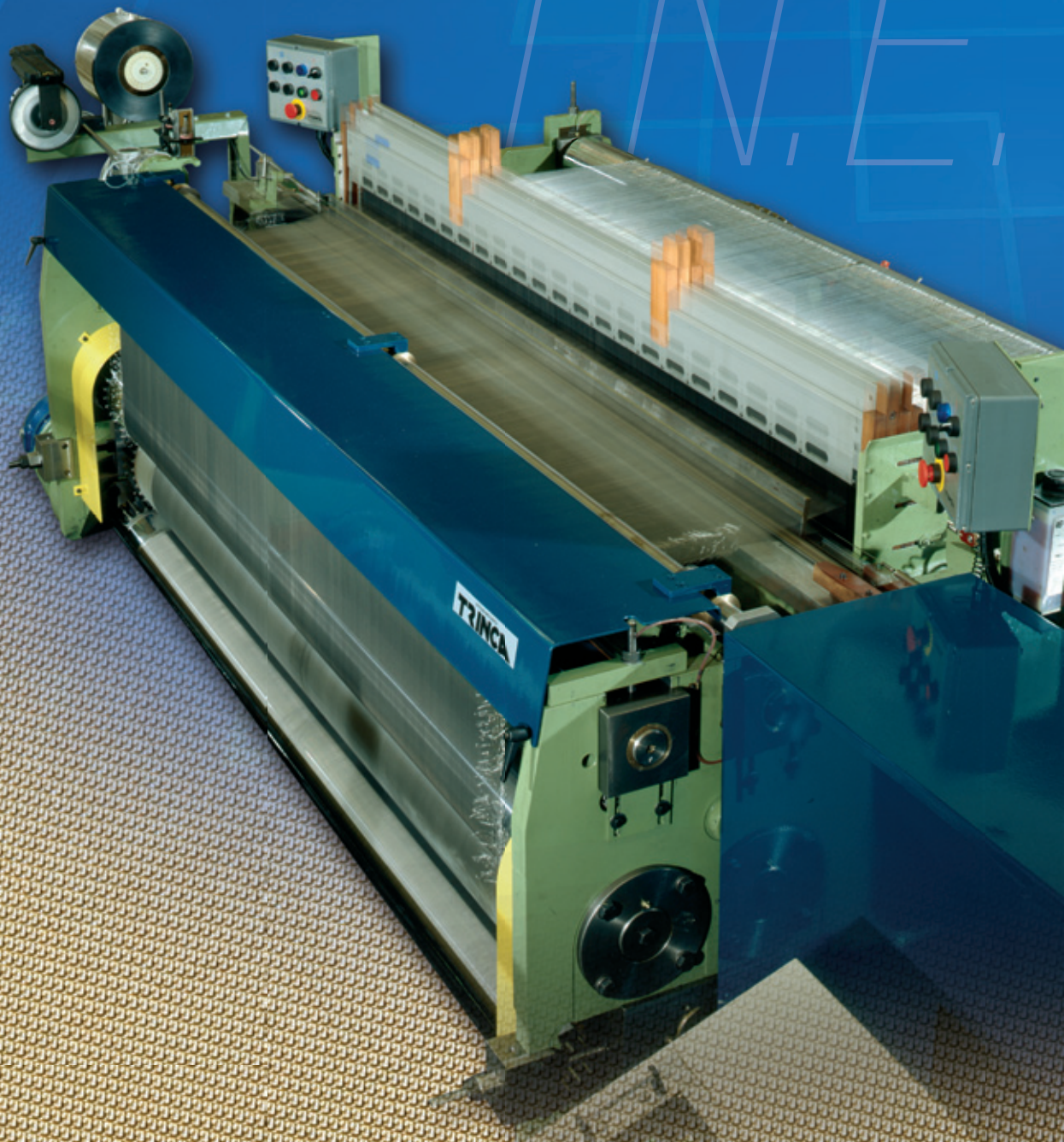
The TRINCA Company was established in 1940 and is now a leader in the production of weaving machines and many types of special equipment for technical fabrics.
A wide investment programme together with the high level of construction technologies developed over years, has contribued to the success and increased sales all over Europe and the World.
Currently the TRINCA production has archieved: completely electronically driven weaving mahines, conversion kits for existing looms and weaving equipment for technical fabrics such as new warping devices, weft prespoolers, edge welding devices and a 12-colour weft change.

T.U.E.

型號 mod.

TRINCA®

意大利 特意佳



TRINCA® 意大利 特意佳

型 號. mod. T.N.E.

新系列金屬絲網工業用布織機 • *New range of weaving machines for industrial fabrics*

國際市場上對高品質產品需求日趨增加,小批量多品種乃大勢所趨,
因此生產廠需向業界提供極靈活而又可靠的系統.
憑藉數十年經驗,我們研發出嶄新的**T.N.E.**系列織機,
重大的技術改進,完全滿足業界全方位的訴求:極具靈活性,
產出高品質,提高生產力.
新穎的 **T.N.E.**系列織機具有下列技術特徵:

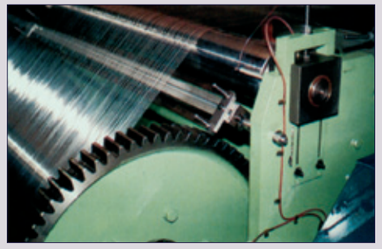
1. 運動基理注冊專利的寬劍桿,夾持紗線能有效維持引緯全過程保持最佳張力.
2. 筘座運動裝置由油浴共軛凸輪驅動,並於打緯時予以充分的開口時間.
3. 捲布及張力由3羅拉夾持裝置執行.
4. 電子控制送經和捲取, 可數字直觀輸入需要的織造目數.
5. 綜框運動由凸輪或多臂幅擔當.
6. 據客戶要求可提供機外分離式捲布系統,以達到快速了機更換品種的需求.
7. 織機採用模組方式構建,同一機型織機根據不同的共軛凸輪組數配置
8. 織機根據不同的共軛凸輪組數配置,例如配2-3-4-5-6組,其型號將 冠以下述格式分別命名為:
T.N.2E - T.N.3E - T.N.4E - 以此類推

The international market has an ever increasing demand for products of high quality yet, frequently, in small quantities. The manufactures try to meet this new requirement by using machinery that offers higher flexibility and reliability.
*Backed by many years of experience we have developed a new **"T.N.E." range** of weaving machines for industrial fabrics. These new machines incorporate substantial technological improvements that make them more flexible while ensuring a high quality fabric with, at the same time, an important increase in productivity.*
*The new **T.N.E.** range incorporates the following technical features:*

1. *Weft wire insertion by only one band rapier with a patented kinematic mechanism that keeps the weft wire under tension*
2. *Slay movement driven by complementary cams in oil bath with a slay dwell during beat up*
3. *Fabric wind up and tensioning by 3-roller nipping unit*
4. *Electronically controlled let-off and take up units with digital mesh number input*
5. *Heald frame control by a cam motion unit or a dobby*
6. *Fabric wind-up on separate cloth beam that can easily be removed or, upon request, outside the weaving machine on a separate wind-up*
7. *Modular steel frame construction which allows setting up the same machine type with a different number of complementary cam groups.*
8. *The weaving machines are differentiated by the complementary cam groups to be mounted 2,3,4,5,6 and are designated **T.N.2E, T.N.3E, T.N.4E.***

嶄新的 **"T.N.E."** 有3種型號,依據不同的織造類型和線徑.

*The new **"T.N.E."** range is constructed in 3 models with different features according to type of weave and wire diameter.*



T.N.2E/F – T.N.3E/F – T.N.4E/F 型:

- 金屬絲直徑範圍: 0.03毫米 至 0.30毫米
- 織造幅寬: 900毫米 至 2100毫米
- 材料: 鋼,不銹鋼,青銅,銅,鋁,合成纖維或單絲
- 網目數調整: 20 至 1000
- 最高速度:140 至 170 緯/分鐘, 根據織造寬度
- 電機總功率: 7.5 千瓦
- 重量: 5000 至 7000公斤

T.N.2E/F – T.N.3E/F – T.N.4E/F:

- *wire diameter: 0,03 to 0,30 mm.*
- *weaving width: 900 to 2100 mm.*
- *materials: steel - stainless steel - brass - copper - aluminium synthetic and monofilaments*
- *mesh regulation: 20 to 1000*
- *max. picks/min.: 140 to 170 acc. to weaving width*
- *total motor power: 7,5 kW.*
- *weight: 5000 to 7000 Kg.*

T.N.2E/M – T.N.3E/M – T.N.4E/M – T.N.5E/M 型:

- 金屬絲直徑範圍: 0.05毫米 至 0.07毫米
- 織造幅寬: 900毫米 至 2650毫米
- 材料: 鋼,不銹鋼,青銅,銅,鋁,合成纖維和單絲
- 網目數調整: 10 至 500
- 最高速度: 120 至 170 緯/分鐘, 根據織造寬度
- 電機總功率10千瓦
- 重量: 6000 至 9000公斤

T.N.2E/M – T.N.3E/M – T.N.4E/M – T.N.5E/M:

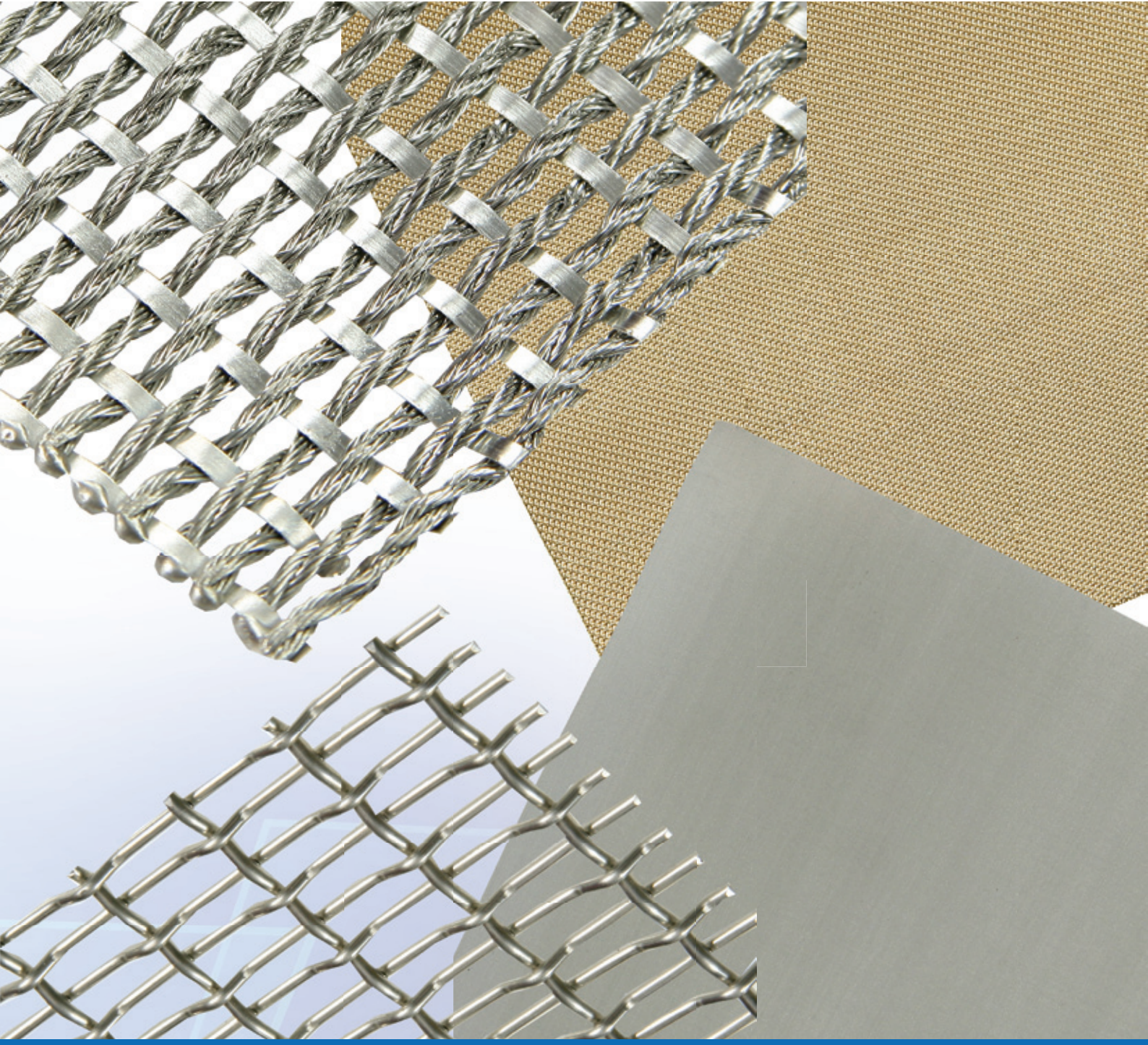
- *wire diameter: 0,05 to 0,70 mm.*
- *weaving width: 900 to 2650 mm.*
- *materials: steel - stainless steel - brass - copper - aluminium synthetic and monofilaments*
- *mesh regulation: 10 to 500*
- *max. picks/min.: 120 to 170 acc. to weaving width*
- *total motor power: 10 kW.*
- *weight: 6000 to 9000 Kg.*

T.N.2E/P – T.N.3E/P – T.N.4E/P – T.N.5E/P – T.N.6E/P 型:

- 金屬絲直徑範圍: 0.10毫米 至 1.2毫米
- 織造幅寬: 900毫米 至 5000毫米
- 紗線原料: 鋼,不銹鋼,青銅,鋁,
合成纖維及單絲
- 網目數調整: 5 至 200
- 最高速度: 50 至 100 緯/分鐘, 根據織造寬度
- 機總功率: 15 至 35千瓦,根據織造寬度
- 重量: 20000 至 45000公斤

T.N.2E/P – T.N.4E/P – T.N.5E/P – T.N.6E/P :

- *wire diameter: 0,10 to 1,2 mm.*
- *weaving width: 900 to 5000 mm.*
- *materials: steel - stainless steel - brass - copper - aluminium synthetic and monofilaments*
- *mesh regulation: 5 to 200*
- *max. picks/min.: 50 to 100 acc. to weaving width*
- *total motor power: 15 to 35 kW acc. to weaving width*
- *weight: 20000 to 45000 Kg.*



T.N.E.-F

型號. mod.

TRINCA®

意大利 特意佳

型 號. mod. T.N.E.-F

新系列金屬絲網/工業用布織機 • *New range of weaving machines for industrial fabrics*

國際市場上對高品質產品需求日趨增加,小批量多品種乃大勢所趨, 因此織機生產廠需向業界提供極靈活而又可靠的系統.

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新穎的**T.N.E.** 系列織機具有下列技術特徵:

1. 以運動基理已注冊專利的寬劍桿夾持紗線,能極有效維持引緯全過程保持最佳張力
2. 筘座運動裝置由油浴共軛凸輪驅動,並於打緯時予以充分開口停頓時間
3. 布捲及張力由3羅拉壓棍夾持裝置執行
4. 電子控制送經和捲取,可數字化直觀輸入需要的絲網織造目數
5. 綜框運動由凸輪或多臂機擔當
6. 可根據客戶要求提供機外分離式捲布系統,以達到快速了機更換品種的應效
7. 織機採用模組方式構建,同一機型可據客戶不同要求設置各異共軛凸輪組合

織機根據不同的共軛凸輪組數配置,
例如配: 2,3,4,5,6組, 織機型號分別命名為: **T.N.2E - T.N.3E - T.N.4E 以此類推...**

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方型絲網織物規格表 – Square mesh fabric schedule

目 Mesh/25,4 mm		10	20	30	40	50	60	80	100	200
緯 Pitch / mm.		2,54	1,27	0,85	0,635	0,508	0,423	0,317	0,254	0,127
織造幅寬所對應的最大線徑 Max wire diameter for weaving width	1300 mm	0,70	0,50	0,35	0,28	0,21	0,17	0,13	0,11	0,05
	1600 mm	0,65	0,48	0,32	0,25	0,20	0,16	0,12	0,105	0,05
	2100 mm	0,60	0,45	0,30	0,24	0,18	0,15	0,11	0,10	0,05

技術參數:

電子控制前後調節器: 8.5 - 3000 目/25.4 毫米

紗線原料: 鐵,銅,青銅,不鏽鋼,高強鋼,鋁,合成材料.

線徑: 0.05 - 0.50 毫米 最大打緯張力 3000 公斤 / 米

織造組織: 可織2,3,4,5,6頁綜框

Technical features:

Electronic controlled rear and front regulator: *from 8,5 to 3000 mesh/25,4 mm*

Wire material: *iron, copper, brass, stainless steel, high tensile steel, aluminium, synthetic materials.*

Wire diameter: *0,05 up to 0,50 mm. Max beat-up tension: 3000 kg*

Weaving possibilities: *with 2 or 3 or 4 or 5 or 6 healdframes*

織造幅寬 毫米. *Weaving width in mm.*	1300	1600	2100
織造速度達可: 緯/分鐘 *Max speed / rpm*	220	200	160

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T.N.E/PS

型號 mod. T.N.E/PS

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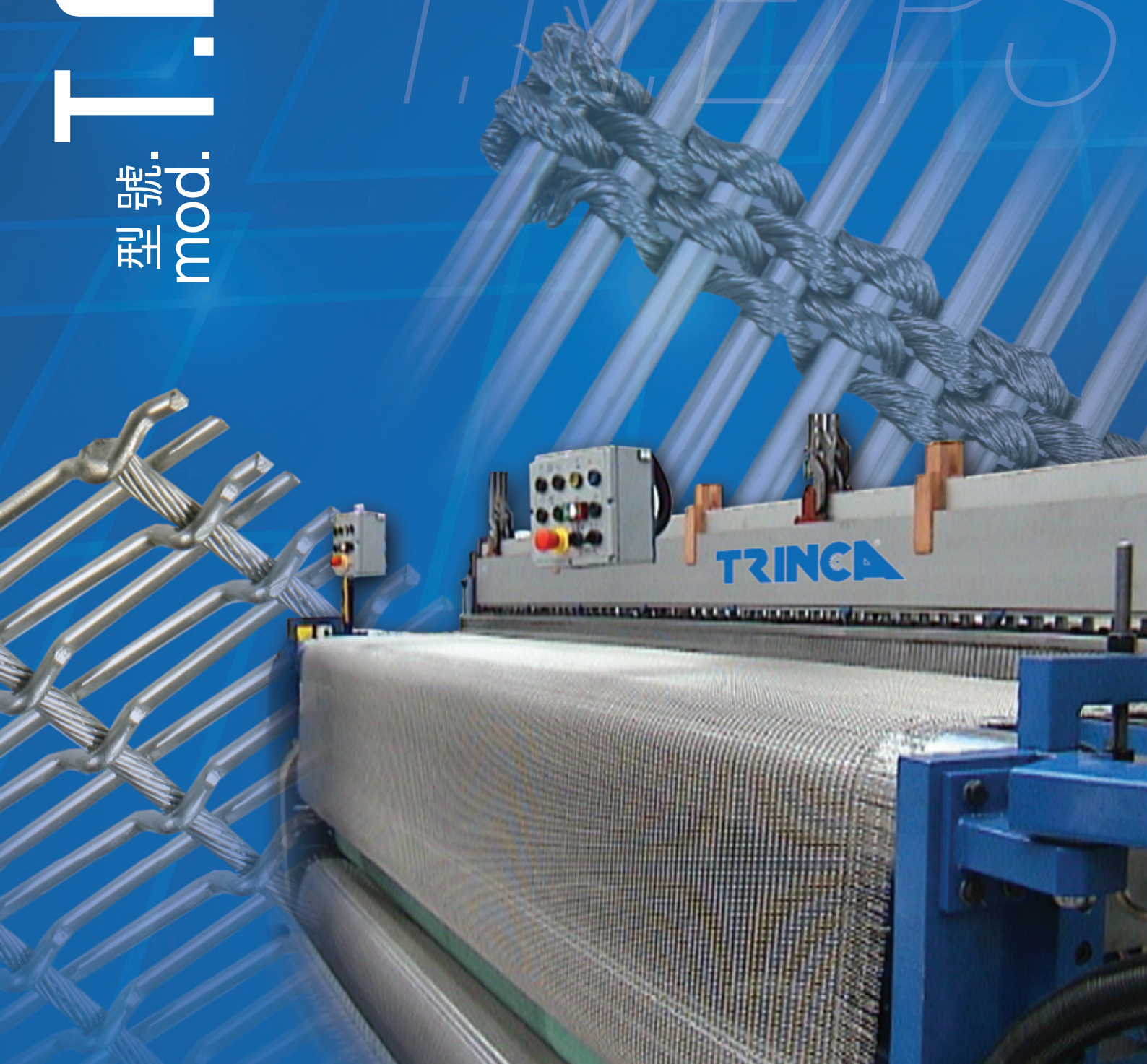


型 號. mod. T.N.E./PS

建築用金屬網/傳送帶/鋼纜高負載網織機

Looms able to weave architectonic fabrics, transport belts fabrics and heavy fabrics with steel cable

特意佳設計,開發和生產全新的**T.N.E/PS**系列織機 以滿足市場對超重型金屬網織物日益增加的需求. 織造寬度由2至8米
特意佳專利的**寬劍桿帶系統**,能有效將各種性質的紗線引入,無論是軋花加工絲或平偏絲,甚至繞性,剛性金屬絲.
線徑範圍由0.10至6毫米
特意佳TRINCA型號ON60軋花裝置,以及**TRINCA型號AS1000**退繞裝置均是以常規線徑的軋花加工絲或平偏絲織造生產特殊用布時不可或缺的附加裝置.
特意佳TRINCA型號ON60軋花裝置 **特意佳TRINCA型號AS 1000** 退繞裝置與**特意佳TRINCA型號T.N.E/PS**織機電氣聯接相互同步. 專用軟件可以監控和操作三方同步.
有效保障了高速生產,精密操控和優質成品

*The new TRINCA loom series type **T.N.E/PS** has been designed, developed and manufactured to satisfy the market requirements of heaviest metal fabric with weaving width from 2 up to 8 meters and more. The patented **TRINCA Bandrapier System** allows to insert weft materials as: pre-cimped or flat, as well as flexible or rigid metal wires with a minimum diameter from 0,10 up to maximum 6 mm. The **TRINCA crimping device** type **ON 60**, and the **TRINCA uncoiling reel** types **AS 1000** are essential necessary additional equipments for the production of special fabrics, woven with pre-crimped wires or flat wefts with major wire diameters.*
*The **TRINCA crimping device** type **ON 60**, the **TRINCA uncoiling reel** type **AS 1000** and the **TRINCA LOOM** type **T.N.E/PS** are electrically connected and syncronized, one to the other. A special developed sofware controls, syncronized and driver automatically all fuctions of the three together connected machines, with excellent results of hight production output and most reliable control precision for weaving top quality products.*

技術參數:

- 引緯線徑: 0.10 至 6.00毫米.
- 軋花加工絲引緯線徑:1.00 至 6.00毫米
- 剛性加工絲引緯線徑:2.00 至 6.00毫米
- 紗線原料: 高強碳鋼,不銹鋼,高含量合金.

Technical features:

- *Weft insertion from wire diam. 0,10 up to 6,00 mm.*
- *Pre-crimped weft insertion with wire diam. From 1,00 up to 6,00 mm.*
- *Pre-straightened, rigid rods as weft insertioon with diam. from 2,00 up to 6,00 mm.*
- *Suitable for weaving with following materials: stainless steel, high tensile carbon steel, high content alloys.*

織造速度調節範圍 *Weaving speed adjustable from*	0 - 45	0 - 50	0 - 60	0 - 80
最大打緯力 牛頓米 *Maximum beat-up power Nm*	100.000			
織造寬度 毫米 *Weaving width mm*	8.000	6.500	4.000	2.000

特意佳 軋花裝置 型號 ON 60 – ON 80 – ON 120

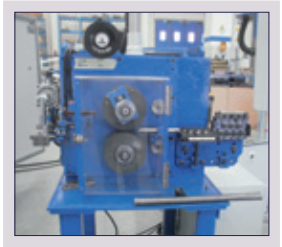
應用於經紗和緯紗軋花

- ON60 軋花裝置 - 適用磨擦:R1400Nm², 線徑:最小1毫米-最大5毫米
- ON80 軋花裝置 - 適用磨擦: R1400Nm², 線徑: 最小 3 毫米 - 最大 8 毫米
- ON120 軋花裝置 - 適用磨擦: R1400Nm², 線徑: 最小 4 毫米 - 最大 12 毫米
- 軋花齒輪直徑: 170 毫米 - 220 毫米
- 驅動馬達可調並與織機同步
- 軋花速度: 0 至 120米/分鐘
- 裝置由可編程邏輯PLC控制,可以按鍵操作設置 例如:運轉速度,加速和減速
- 按鈕式面板,可作全功能管控,並以顯示屏來顯示:運轉速度,加速和減速
- 數字鍵盤可進行控制編程
- 可設置軋花長度,並據預設長度自動剪斷紗線
- 可設置軋花數量, 達到預設軋花數量時自動停止

Crimping deuice trinca type ON 60 – ON 80 – ON 120

for pre-crimped warp and weft wires

- *Crimping device ON 60 - wire diameter an resistance R1400 Nm², min diam. mm 1 - max diam mm 5*
- *Crimping device ON 80 - wire diameter an resistance R1400 Nm², min diam. mm 3 - max diam mm 8*



- *Crimping device ON 120 - wire diameter an resistance R1400 Nm², min diam. mm 4 - max diam mm 12*
- *Crimping gears diameter: min. 170 mm. - max 220 mm.*
- *Driving motor with speed adjustment syncronized with the loom*
- *Wire crimping operating speed: from 0 up to 120 meters/minute*
- *Device controlled by a PLC with key setting possibility of the operating speed, accelerations and decelerations.*
- *Pushbutton panel for all control functions, with a display which shows the operating speed, the accelerations and decelerations*
- *Numerical keyboard for the programming funcions*
- *Possibility of setting the required lenght of the wires to be crimped, with an automatically wire cut at the pre-setted lenght*
- *Number counter of the wires to be crimped and function stop if the setted number has been reached*

特意佳 退繞裝置 型號 AS1000

- 卷繞盤最大直徑: 1000 毫米
- 卷繞軸載紗最大容量: 1000 公斤
- 速度: 可調 0 至 150 轉 / 分鐘
- 電機: 4匹 / 1450 轉每分鐘 / 4 千瓦 / 400伏 / 50 赫茲交流
- 裝置由可編程邏輯PLC控制,可以按鍵操作設置 例如:運轉速度,加速和減速
- 按鈕式面板,可作全功能管控,並以顯示屏來顯示:運轉速度,加速和減速
- 數字鍵盤可進行控制編程

Wire uncoiling reel trinca type AS 1000

- *Diameter of the coil supporting disk: max 1000 mm.*
- *Maximum carrying capacity of the reel: 1000 Kg*
- *Uncoiling speed adjustable from min. 0 up to max 150 rpm*
- *Driving motor AC - 4p - 1450 rpm - 4 Kw - 400 V - 50 Hz*
- *Device controlled by a PLC with key setting possibility of the operating speed accelerations and decelerations*
- *Pushbotton panel for all control functions, with a display which shows the operating speed, the accelerations and decelerations.*
- *Numerical keyboard for the programming functions*

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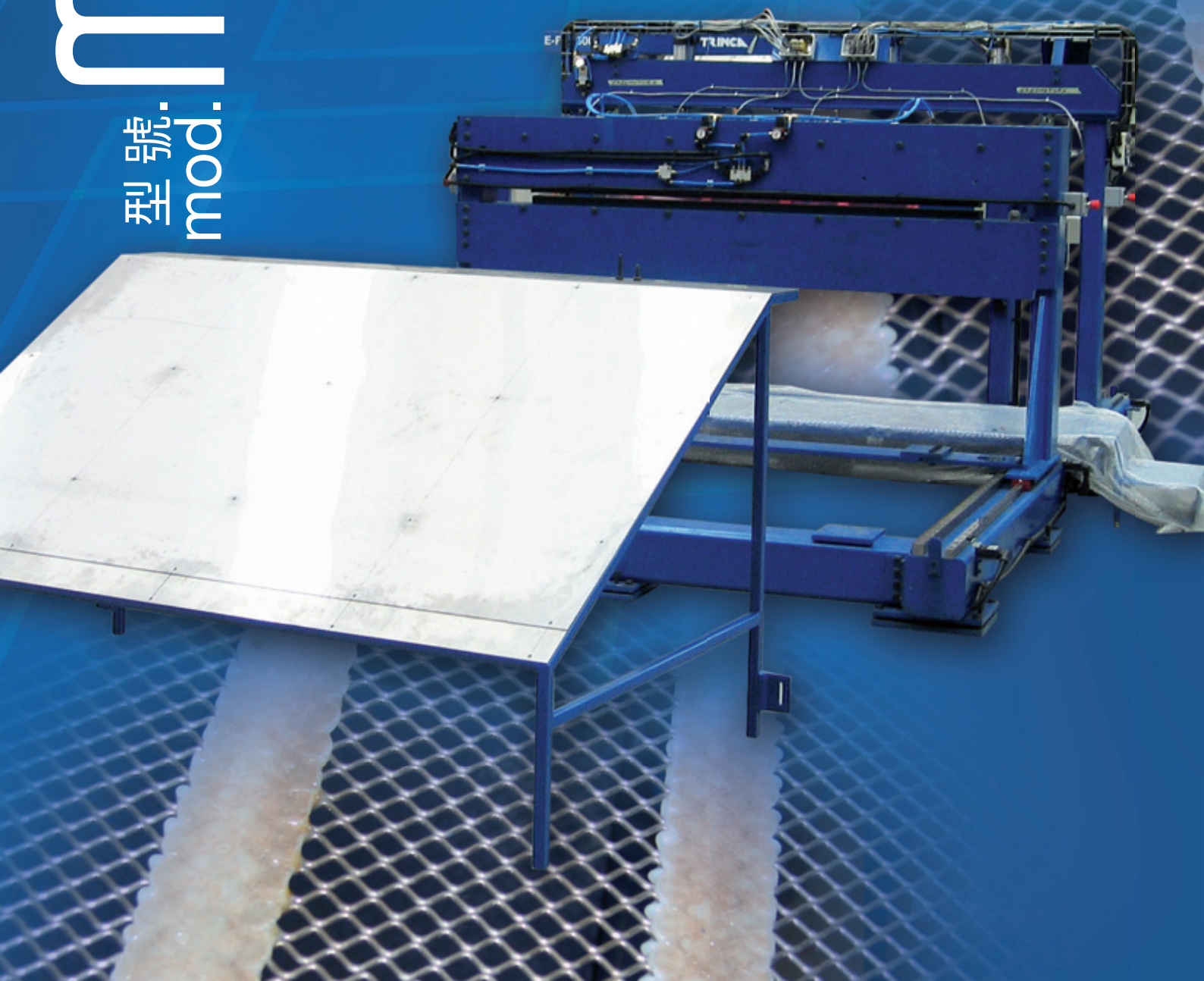
M.A.R.A.-P

TRINCA®

意大利 特意佳

型號 mod. M.A.R.A.-P



型 號. mod. M.A.R.A.-P

生產選礦網聚氨酯條焊接機
Machine for assembly anti-block mesh welding with polyurethane stripes

機器冠名闡述:

M = 機器類
A = 裝配
R = 網
A = 抗阻塞
P = 聚胺脂

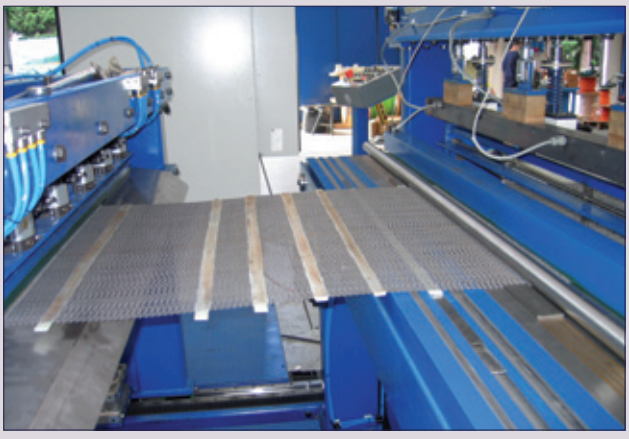
- 金屬紗線直徑適用範圍:1.0 – 5.0 毫米

機器概述:

- 鋼模組式架構;
- 通過氣動活塞控制將聚氨酯條帶焊接到金屬絲經紗層片的機器;
- 通過氣動活塞控制將聚氨酯條帶焊接到金屬絲網的機器;
- 經紗層喂入走車由伺服電機精確控制;
- 金屬絲網喂入走車由伺服電機精確控制;
- 經紗層喂入和絲網層喂入之間可精準同步;
- 通過熔合聚氨酯條帶的焊接裝置(聚氨酯帶由手動定位);
- 焊接步驟可通過個人電腦編程;
- 焊接前準備以電磁吸盤夾緊經紗.

機器控制裝置:

全方位的機器控制,包括所有的參數設定和操作功調節均由特意佳TRINCA織機管理系統專項研發的電器控制裝置處理.特意佳管理軟件建基於視窗(Windows)CE作業系統載於工業級個人電腦,管控全部參數以及所有的控制功能.全體電子和電器控制裝置均安裝在主電器櫃內.



Explanation of the loom type letters and numbers:

M = *machine*
A = *assembly*
R = *mesh*
A = *anti-block*
P = *polyurethane*

- metal wire diameter min. 1,0 – max. mm. 5,0.

COMPLETE OF:

- Modular steel structure;
- Device for block the steel warp wire through polyurethane blade command by pneumatic piston;
- Device for block the steel mesh through polyurethane blade command by pneumatic piston;
- Forward mesh truck command by servomotor;
- Forward warp wire truck command by servomotor;
- Synchronization between forward mesh truck and forward warp wire truck;
- Welding device for fuse the polyurethane stripes (polyurethane stripes position by hand);
- Welding step setting by PC;
- Magnetic plan for block the warp wire.

LOOM CONTROL DEVICE:

The complete loom control, all data settings and operating function adjustments are carried out by the TRINCA electronic control device and the especially developed TRINCA loom managing.
All electronically and electric control devices are installed inside the main switchboard and all data's, as well as loom driving and control functions, are developed by an industrial PC with software windows CE.

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T.N.3 B/60

型號. mod. T.N.3 B/60

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型 號. mod. T.N.3 B/G

格網,建築用金屬網和傳送帶織機 • *Looms for grids, architectonic fabrics and transport belts*

特意佳設計,開發和生產全新的 **T.N.3 B/G** 系列織機 以滿足市場對超重型金屬網織物日益增加的需求.織造寬度由2 至 4米或更寬.
特意佳專利的**寬劍桿帶系統**,能有效將各種性質的紗線引入,無論是軋花加工絲或平偏絲,甚至繞性,剛性金屬絲.
線徑範圍由1.00 至 10毫米
特意佳**TRINCA型號ON 60** 軋花裝置,以及 **TRINCA型號 AS 1000** 退繞裝置均是以常規線徑的軋花加工絲或平偏絲織造生產特殊用布時不可或缺的附加裝置.
特意佳 **TRINCA型號ON 60** 軋花裝置 特意佳**TRINCA型號 AS 1000** 退繞裝置與特意佳**TRINCA 型號 T.N.3 B/G** 織機電氣聯接相互同步.專用軟件可以監控和操作三方同步.
有效保障了高速生產,精密操控和優質產品

*The new TRINCA loom series type **T.N.3 B/G** has been designed, developed and manufactured to satisfy the market requirements of heaviest metal fabric with weaving width from 2 up to 4 meters and more.*
*The patented **TRINCA Bandrapier System** allows to insert weft materials as: pre-crimped or flat, as well as flexible or rigid metal wires with a minimum diameter from 1,0 up to maximum 10 mm. The **TRINCA crimping device** type **ON 60,** and the **TRINCA uncoiling reel** type **AS 1000** are essential necessary additional equipments for the production of special fabrics, woven with pre-crimped wires or flat wefts with major wire diameters. The **TRINCA crimping device** type **ON 60**, the **TRINCA uncoiling reel** type **AS 1000** and the **TRINCA loom type T.N.3 B/G** are electrically connected and syncronized, one to the other. A special developed sofware controls, syncronized and drives automatically all fuctions of the three together connected machines, with excellent results of high production output and most reliable control precision for weaving top quality products.*

技術參數:

- 引緯線徑: 1.00 至 10.00毫米.
- 軋花加工絲引緯線徑: 1.00 至 10.00毫米
- 剛性加工絲引緯線徑: 2.00 至 10.00毫米
- 紗線原料:高強碳鋼,不銹鋼,高含量合金.

Technical features:

- *Weft insertion from wire diam. 1,0 up to 10,00 mm.*
- *Pre-crimped weft insertion with wire diam. from 1,00 up to 10,00 mm.*
- *Pre-straightened, rigid rods as weft insertion with diam. from 2,00 up to 10,00 mm.*
- *Suitable for weaving with following materials: stainless steel, high tensile carbon steel, high content alloys.*

織造速度調節範圍 *Weaving speed adjustable from*	0 - 40		
最大打緯力 牛頓米 *Maximum beat-up power Nm*	100.000		
織造幅寬 毫米. *Weaving width mm.*	1.000	4.000	2.000

特意佳 軋花裝置 型號 ON 60 – ON 80 – ON 120

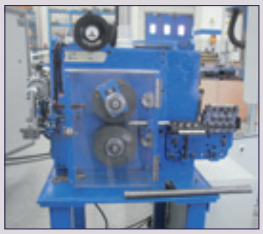
應用於經紗和緯紗軋花

- ON60 軋花裝置 - 適用磨擦:R1400Nm², 線徑:最小1毫米-最大5毫米
- ON80 軋花裝置 - 適用磨擦: R1400Nm², 線徑: 最小 3 毫米 - 最大 8 毫米
- ON120 軋花裝置 - 適用磨擦: R1400Nm², 線徑: 最小 4 毫米 - 最大 12 毫米
- 軋花齒輪直徑: 170 毫米 - 220 毫米
- 驅動馬達可調並與織機同步
- 軋花速度: 0 至 120米/分鐘
- 裝置由可編程邏輯控制器PLC控制,可以按鍵操作設置例如:運轉速度,加速和減速
- 按鈕式面板,可作全功能管控,並以顯示屏來顯示:運轉速度,加速和減速
- 數字鍵盤可進行控制編程
- 可設置軋花長度,並據預設長度自動剪斷紗線
- 可設置軋花數量, 達到預設軋花數量時自動停止

Crimping deuice trinca type ON 60 – ON 80 – ON 120

for pre-crimped warp and weft wires

- *Crimping device ON 60 - wire diameter an resistance R1400 Nm², min diam. mm 1 - max diam mm 5*
- *Crimping device ON 80 - wire diameter an resistance R1400 Nm², min diam. mm 3 - max diam mm 8*
- *Crimping device ON 120 - wire diameter an resistance R1400 Nm², min diam. mm 4 - max diam mm 12*
- *Crimping gears diameter: min. 170 mm. - max 220 mm.*
- *Driving motor with speed adjustment syncronized with the loom*
- *Wire crimping operating speed: from 0 up to 120 meters/minute*
- *Device controlled by a PLC with key setting possibility of the operating speed, accelerations and decelerations.*
- *Pushbutton panel for all control functions, with a display which shows the operating speed, the accelerations and decelerations.*
- *Numerical keyboard for the programming functions*
- *Possibility of setting the required length of the wires to be crimped, with an automatically wire cut at the pre-setted length*
- *Number counter of the wires to be crimped and function stop if the setted number has been reached*



特意佳 退繞裝置 型號 AS1000

- 卷繞盤最大直徑: 1000 毫米
- 卷繞軸載紗最大容量: 1000-1500 公斤
- 速度: 可調 0 至 150 轉 / 分鐘
- 電機: 4匹 / 1450 轉每分鐘 / 4 千瓦 / 400伏 / 50 赫茲交流
- 裝置由可編程邏輯控制器PLC控制,可以按鍵操作設置例如:運轉速度,加速和減速
- 按鈕式面板,可作全功能管控,並以顯示屏來顯示:運轉速度,加速和減速
- 數字鍵盤可進行控制編程
- 線徑: 由 1.0 毫米 - 10.0毫米

Wire uncoiling reel trinca type AS 1000

- *Diameter of the coil supporting disk: max 1000 mm.*
- *Maximum carrying capacity of the reel: 1000 -1500 Kg.*
- *Uncoiling speed adjustable from min. 0 up to max 150 rpm*
- *Driving motor AC-4P -1450 rpm - 4 kW - 400 V - 50 Hz*
- *Device controlled by a PLC with key setting possibility of the operating speed accelerations and decelerations*
- *Pushbutton panel for all control functions, with a display which shows the operating speed, the accelerations and decelerations.*
- *Numerical keyboard for the programming functions*
- *Wire diam. 1,0 up to 10,0 mm.*

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T.N.6E-PS 4200

型号 mod.

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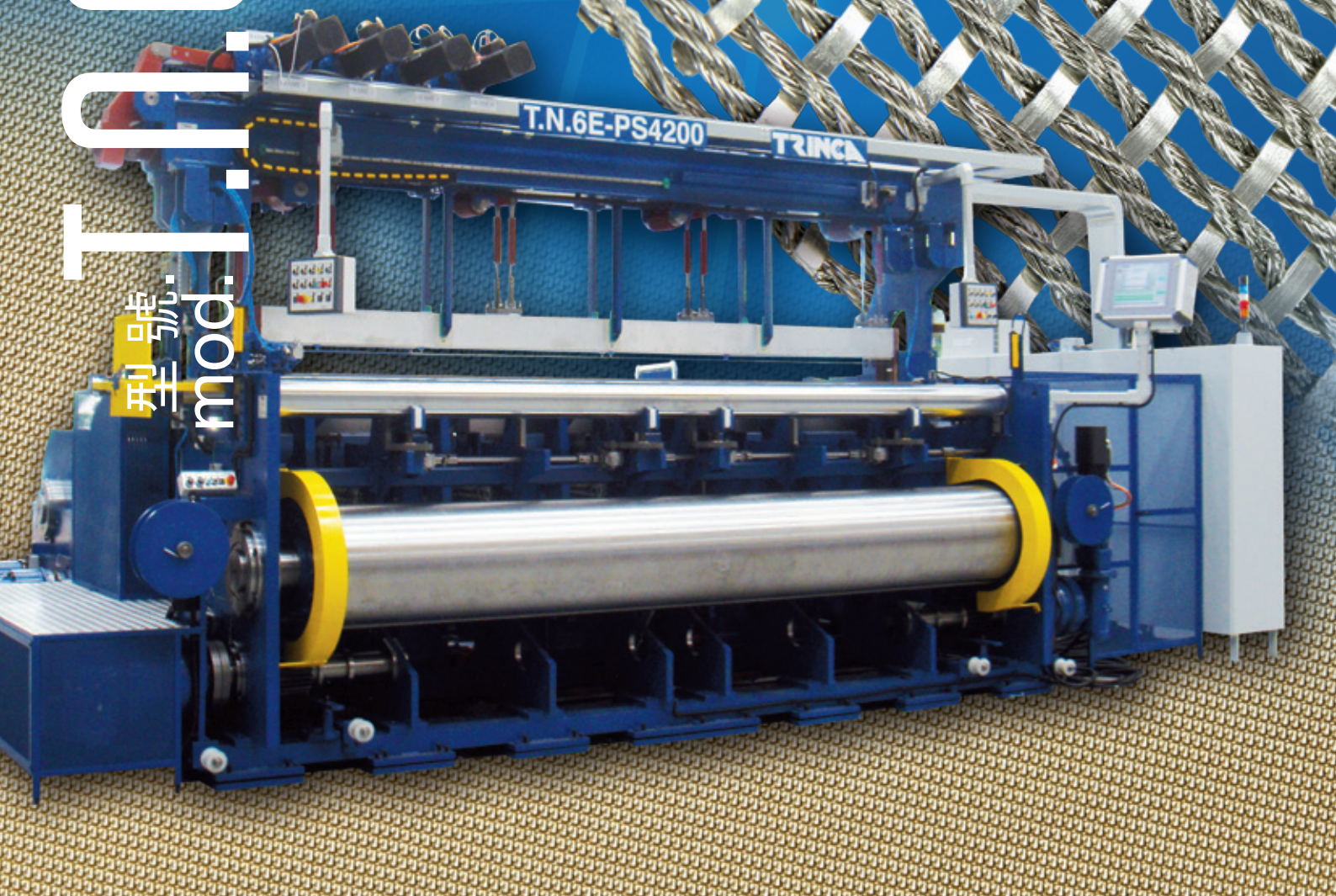

型 號. mod. T.N.6E-PS 4200

超重負載型金屬絲網織機

Weaving machine Appropriate to weave heavy fabrics PZ from steel

T = 技術織物織機
N = 1 劍桿引緯
6 = 凸輪組數
E = 油浴槽內共軛凸輪
PS = 超重負荷型結構
4200 = 織造幅寬

技術參數:

- 織造幅寬:1500 - 4200 毫米;
- 織造速度可調: 0 - 60 轉/分鐘;
- 模組式鋼機構;
- 電子調節偏轉羅拉,並可根據織物數據記憶軸位置.
- 直接捲取 ;
- 經紗裝置帶 2 組後端可調離式經軸.
- 經紗總張力 10,000 十(10)牛頓米;
- 總打(卡)緯力 12,000十牛頓米.

電子旋轉式多臂機 特意佳型號. R.E.R 2-8

R = 多臂機
E = 電子式
R = 旋轉式
2 = 雙吊綜座 (連桿由上端及下端作連結)
8 = 頁綜框驅動

- 4 組吊綜座於綜框上端
- 4 組吊綜座於綜框下端
- 電腦驅動及管控;
- 開口方式： 開式開口和閉式開口經由個人電腦編程;
- 極簡易的綜框 “0” 位設定;
- 每頁綜框的各項參數均可單獨設置;
- 綜框的開口時間曲線和停頓均可調整;
- 綜框的開口時間曲線相位均可調移;

織機控制裝置:

全方位的機器控制,包括所有的參數設定和操作功調節均由特意佳TRINCA織機管理系統專項研發的電器控制系統處理.特意佳管理系統建基於載有視窗(Windows)CE作業系統的工業級個人電腦,管控全部參數以及所有的控制功能.全體電子和電器控制裝置均安裝在主電器櫃內.

T = loom
N = weft insertion with 1 rapier tape
6 = no. of slay driving cam groups
E = driven by eccentric curves running in oil bath
PS = extra strong
4200 = weaving width

TECHNICAL SPECIFICATIONS:

- weaving width: max. 4200 mm – min. 1500 mm;
- adjustable speed from 0 up to max. 60 rpm
- maximum warp tension 10.000 daNm
- maximum beat-up tension 12.000 daNm
- modular steel structure;
- direct take-up;
- warping device including 2 posterior removable warp beams;
- electronically adjustable deflection rollers with possibility to save the position of the beams in the article data.

ELECTRONIC ROTATING DOBBY MACHINE TRINCA TYPE R.E.R 2-8

R = dobby
E = electronically controlled
R = rotating
2 = duplex connecting rods (shafts are connected from top and bottom)
8 = no. of heddle frames

- 4 connections for each of the top frames
- 4 connections for each of the bottom frames
- PC driven and controlled;
- possibility to weave with opened or closed shed;
- possibility to align the frames onto point “0”;
- possibility to control and adjust each single frame in manual mode;
- possibility to adjust the frames standstills;
- possibility to adjust the frame change phase.

LOOM CONTROL DEVICE:

The complete loom control, all data settings and operating function adjustments are carried out by the TRINCA electronic control device and the especially by TRINCA developed loom managing. All electronic and electric control devices are installed inside the main switchboard and all data, as well as loom driving and control functions are developed by an industrial PC with software windows CE.

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意大利 特意佳

High Technology

高科技

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國際市場對高端高品質織物需求日益增加,意味更多的高新技術應用.織物趨向非常多元化規格,和極廣泛的應用領域

特意佳公司,應用其技術和豐富的經驗,專門打造了一個嶄新系列設備,配備了許多“高科技”裝置和器材,以滿足現時市場的需求.從而使我們久經考驗並廣受稱譽的“T.N.E.”系列織機,可據每個客戶的特殊需求進行配置.

“高科技”系列薈萃了我們多年來製造特殊織機和裝置所集纍的技術知識,能極有效的應對 下述產品及其相關領域:

- 各種金屬絲織物和絲網
- 建築應用織物和絲網
- 天然纖維織物和地毯
- 合纖織物和環狀織物
- 多層結構織物

我們“TNE”系列織機其中一項很重要的附加功能就是可配套極廣泛的 **模塊化設備和裝置**
如下述所示:

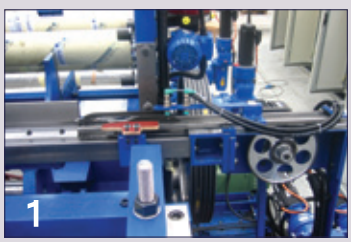
The international markets require more and more woven top quality products with a high level of technological content, fabrics with very diversified specifications to be used for many different application.

*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:*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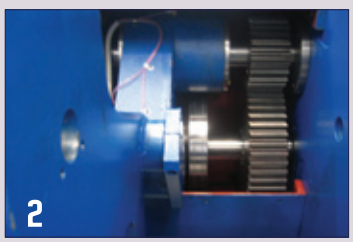
2


2

1 引緯系統(專利)

- 帶伺服電機驅動的劍桿
- 帶兩個伺服電機驅動的劍桿
- 有梭引緯系統,適合合纖織物,毛毯,單層 或多層結構織物,需閉合式光邊織物等的織造

Weft insertion system (patented)

- *with one servomotor driven bandrapier*
- *with two servomotor driven bandrapiers*
- *with a shuttle weft insertion system, suitable to weave synthetic fabrics and felts, single or multilayers, with closed weaving edges*

2 筘座運動

- 油浴槽共軛互補凸輪驅動
- 油浴槽曲柄驅動

Sley movement

- *driven by complementary cams, running in oilbath*
- *driven by a crankshaft, running in oilbath*

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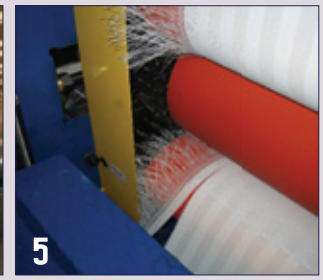
3 電子控制調節器

- 可據所需的“目數”，“厘米”或“法蘭碼” 調節織造織物,由伺服電機控制和調節經紗張力

Electronic controlled regulators

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



4 經軸

- 織機可配套不同類型經軸,例如:
- 無邊經軸或有邊盤經軸
- 筒型經軸
- 2個或更多的經軸合併成“線” 配套到有單獨支撐的織機上,由伺服電機獨立控制和調節經紗張力

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 三羅拉織物張力裝置

- 由三羅拉系統調節織物張力和目數,經伺服電機控制

3-roller fabric tensioning deuice

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

6 織物直接張力裝置

- 織物張力和目數調整在單一經軸進行,適合應用於紗架直接捲取織造

Direct fabric tensioning deuice

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

7 綜框驅動 (專利)

- 採用特意佳自行研發的多臂機,由個人電腦操控伺服電機驅動,所有綜框可由鍵盤獨立調整除了眾多的優勢外,此多臂機還可作開式開口或閉式開口 織造,只需通過個人電腦按鍵便可改變模式

Heddleframe movement (patented)

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

8 織機電子控制

- 織機所有功能,以及各模組和所述各種裝置的同步均由個人電腦集中控制

The electronic loom control

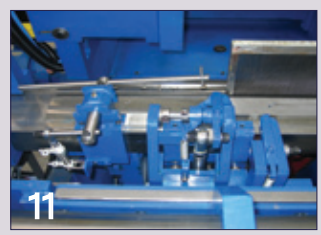
- *by a personal computer which controls and synchronizes all weaving functions, as well as also the various modular equipment and devices listed*

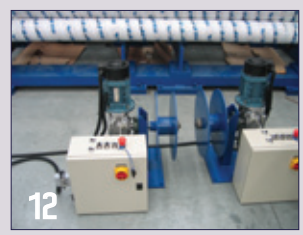
9 特意佳軟件

- 標準程式,也可據客戶要求量身制定

The TRINCA software

- *standard programs can be customized for individual requests*





10 電動切割裝置

- 在織造過程中,於織機上按要求直接將織物切割成不同的條帶

Motorized cutting deuices

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

11 氣動剪刀裝置（專利產品）

- 作為緯紗準備和剪紗用途,由個人電腦控制

Pneumatic scissor deuices (patented)

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

12 廢邊裝置

- 獨立電機驅動,廢邊紗張力可調節

Weaving edge waste accumulators

- *separetly motorized, with tension adjustment of the waste*

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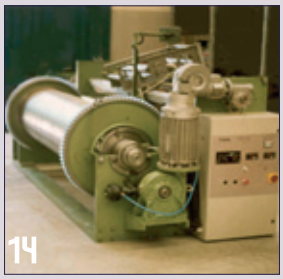
13 預卷緯機（專利產品）

- 預卷緯機有3個不同的尺寸,
  型號: T300, T600, T1000.
  均可連接織機,適用 於各種原料類型
  和不同線徑的紗線

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 整經裝置

整經機 配備了微處理器,適用
於經紗張力控制和調整:

- 錐形無邊經軸
  整經裝置
- 有邊盤經軸整經裝置
- 筒型經軸整經裝置

WARPING DEVICES

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

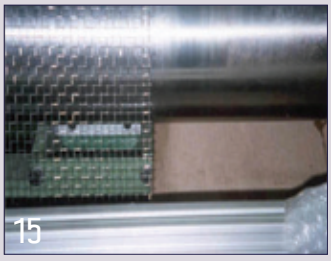
- *warping devices for flat warpbeams with conical warping*
- *warping devices for ring (stir) warpbeams*
- *warping devices for canister*

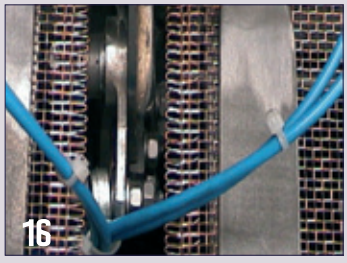
15 織邊焊接邊裝置 (用於織造傳送帶)

- 安裝此裝置到織機上,於織造過程可
  直接切割和焊接布邊

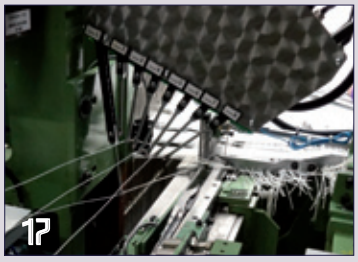
Weaving edge welding deuices (for transport belts)

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





氣動式/*Pneumatic*



馬達式/*Motorized*

16 折入邊裝置(專利)

- 在織造過程中,利用此裝置將緯紗折疊
  和鎖閉入織物, 形成閉合式光邊

Weaving edge tucker deuice (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 緯紗選色裝置

- 配套此裝置令客戶可使用一種以
  上緯紗在同一織物上進行織造即
  使是不同紗徑和性質的絲/線

Weft colour change deuices

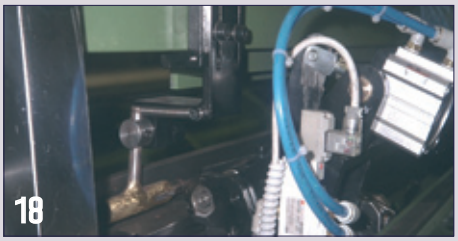
- *this device allows to weave with more than one weft, even with different weft diameters and wire/yarn qualities*

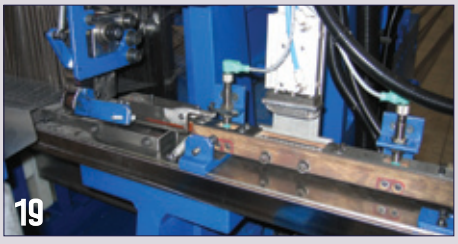
18 紗線軋花裝置

- 此裝置適合
  緯紗和經紗
  的軋花

Wire crimping deuices

- *this device is suitable for the crim-ping of weft and also warp wires*





19 軋花緯紗準備裝置

- 此裝置可以對
  線徑極大的絲或桿
  進行織前軋花處理

Weft preparing deuices for pre-crimped wires

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

20 軋花紗線織物織機

- 特殊類型織機,專為
  使用軋花絲線織造
  極高負載絲網

Weaving machines for pre-crimped fabrics

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

這僅是我們產品範圍的簡要說明.我們以及我們的代理商可隨時與我們客戶就其所需織機特殊要求和個性化設計,進行充分探討...

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....

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型 號. mod. OR-E 200

電子驅動和控制整經機

Electronically driven and controlled warping device (beamer)

機器冠名闡述:

OR = 整經機
E = 電子式
200 = 整經最大幅寬（可按所需規格定製）

- 適用於罐式經軸;
- 鋼支撐結構;
- 鋼製墻板支撐所有傳動部件;
- 整經通道-寬 200 毫米,包含:
  -鍍鉻軸作經紗張力控制,
  -1 斜筘,
  -1 導紗裝置;
- 線性導槽,鋁合金製,支撐整經通道架;
- 帶所有電器控制原件的電櫃箱,包含:
  - 按鈕面板置於紗架,包括:開車-倒車-點動按鈕
  - 編程鍵盤,微處理器
  - 帶(2行) 16 按鍵觸摸屏顯示個人電腦,可作設定數據,警示,速度,插入編程數.
  - 設置參數: 整經轉數
  - 速度: 轉/分鐘,米/分鐘,加速和減速曲線, - 經紗線斷止控制

可由鍵盤對整經機實施編程及控制.

Machine description:

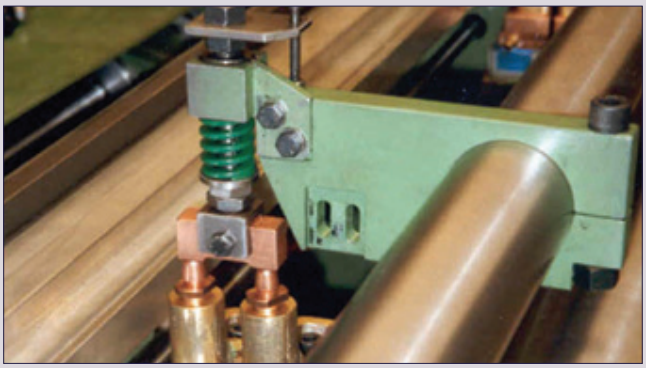
OR = *warping device*
E = *electronically*
200 = *warping width max. canister (max measure on request)*

- *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 fitte on the carriage, complete with: pushbutton for operating reverse operating - impulse operating
  - programming keyboard and a microprozessor
  - 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.



布邊焊接裝置:

應裝在捲布裝置上,適合焊接紗線直徑
由 0.30毫米至 1.6毫米.

型 號.mod.OR.E

電子整經機

Electronic warping machine

機器冠名闡述:

OR = 整經機
E = 電子式

技術規格:

整經機可從左側或右側做整經,並適用於罐式及帶法藍經軸.
羅拉直徑由200至1200毫米
整經門幅100 至 6000毫米.
經紗車架上設有顯示屏和鍵盤
可設置和調節:

- 經紗張力由荷重元件管控;
- 加速和減速曲線;
- 可視化顯示整經速度,
  米/分鐘和層/分鐘;
- 經紗片層顯示.

機器控制裝置:

全方位的機器控制,包括所有的參數設定和操作功調節均由特意佳TRINCA織機管理系統專項研發的電器控制裝置處理.特意佳管理軟件建基於視窗(Windows)CE作業系統載於工業級個人電腦,管控全部參數以及所有的控制功能.全體電子和電器控制裝置均安裝在主電器櫃內.

Machine description:
OR = *warping machine*
E = *electronic*

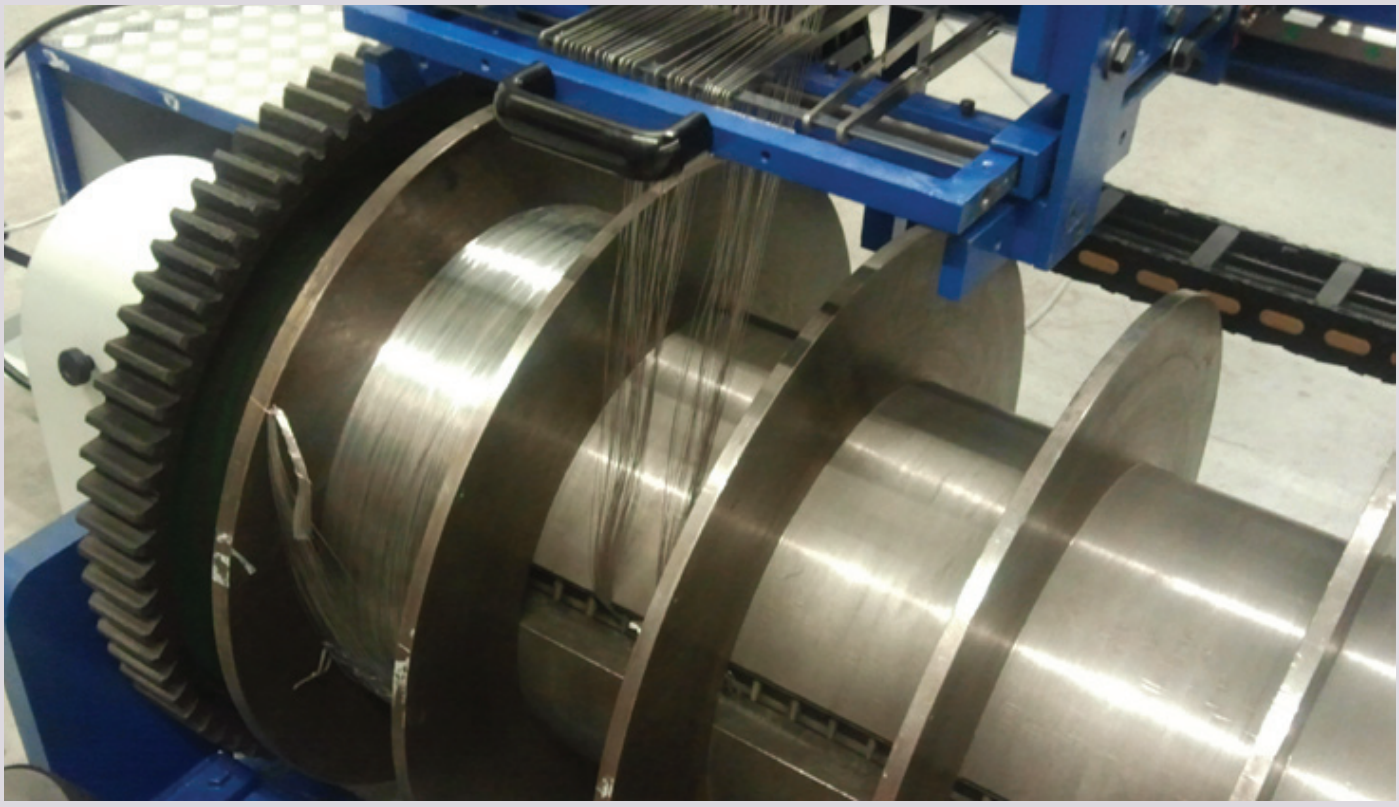
TECHNICAL FEATURE

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;*
- *accelleration 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.



Electronic or mechanical driven brandrapier conversion kits®

剑杆改造套件

TRINCA®

意大利 特意佳

TRINCA® 意大利 特意佳

Conversion kits for old weaving machines with a new bandrapier system mechanical driven or by servomotors with electronic control.

電子或機械驅動劍桿舊織機改造套件

適用於老織機的改裝套件,由機械驅動或由伺服電機電子控制的劍桿引緯系統.預組裝好的改造套件,造就了極短的舊織機改造需時,經改造升級後的織機在常規織造過程中將極容易變更織造幅寬.
可選機械或伺服電機電子驅動劍桿改造套件,更可配置氣動緯絲,緯絲準備和切斷裝置均由微處理器控制的改造套件,一體化設計整組供貨
適用於幅寬由1000至8500毫米舊型劍桿織機或有梭織機改造.
升級為機械驅動或伺服電機電子控制單層劍桿引緯

These preassembled kits allows very short conversion times of the old looms and also fast widht adjustments during the future normal weaving process. Together with these mechanical or by Servomotors and electronic driven bandrapier devices, can be mounted also a pneumatic weftwire/ yarn preparing and cutting device, preassembled in only one block and controlled by a microprocessor. Suitable to convert and modernize old rapier or shuttle looms with weaving width from 1000 up to 8500 mm. by operation with only one bandrapier crossing the shed, mechanical driven or by Servomotors with electronic control.

Technological innovations in the wire and technical fabric production process 技術創新

TRINCA特意佳公司目前位於意大利科莫省路拉卡馳緯 (Lurate Caccivio), 除卻其先進的電子控制和驅動的高速織機外,現進一步為業界提供嶄新的系統改裝套件,從而為織造廠帶來高效和高產出更具競爭力

The TRINCA Company in Lurate Caccivio (Como) Italy present, further to their new, electronically driven and controlled weaving machines, also new system and equipment, which allows Manufactoring Companies to increase their competitiveness with higher efficency and production performance.

NEW WEFT WIRE PREPARING DEVICE PRESPOOLER T300® T600® AND T1000®型 預捲緯機

緯紗絡筒可適用直徑360毫米和更大的筒子.線/紗的卷繞運行在不同的線圈.預卷緯機由電子電機控制和驅動,緯紗準備可設置為手動或自動.
緯紗定長由機械微動開關控制和通過電位計調節速度.當絡筒轉動時,預卷緯機PRESPOOLER有足夠的動力進行退繞,這有效避免了緯紗準備可能的干擾.如與特意佳電子驅動的織機配套使用預卷緯機速度可與織機運行相連接.

適合於各類型的金屬絲,
合成纖維紗線和天然纖維:

suitable for each kind of metal wires, synthetic yarns and natural fi bers:

- T300線徑 : 0.05至0.4毫米
- T600線徑 : 0.40至1.60毫米
- T1000線徑 : 0.40至2.00毫米

- *T300 for diam. from 0,05 up to 0,40 mm.*
- *T600 for diam. from 0,40 up to 1,60 mm.*
- *T1000 for diam. from 0,40 up to 2,00 mm.*

The weft spool support accepts wire and yarn spool with 360 mm. diam. and more. The wire/yarn upwinding operates on separate loops. The prespooler is controlled and driven by an electronic motor with setting possibility for manual or automatic weft preparing. The weft reserve is controlled by a mechanical microswitch and the speed adjustment by a potentiometer. The prespooler has enough power to allow to unwind while the weft spool is turning. This avoid is possible jamming in the weft-preparation. Assembled to electronically driven, TRINCA looms, the prespooler speed can be connected with the running speed of the weaving machines.

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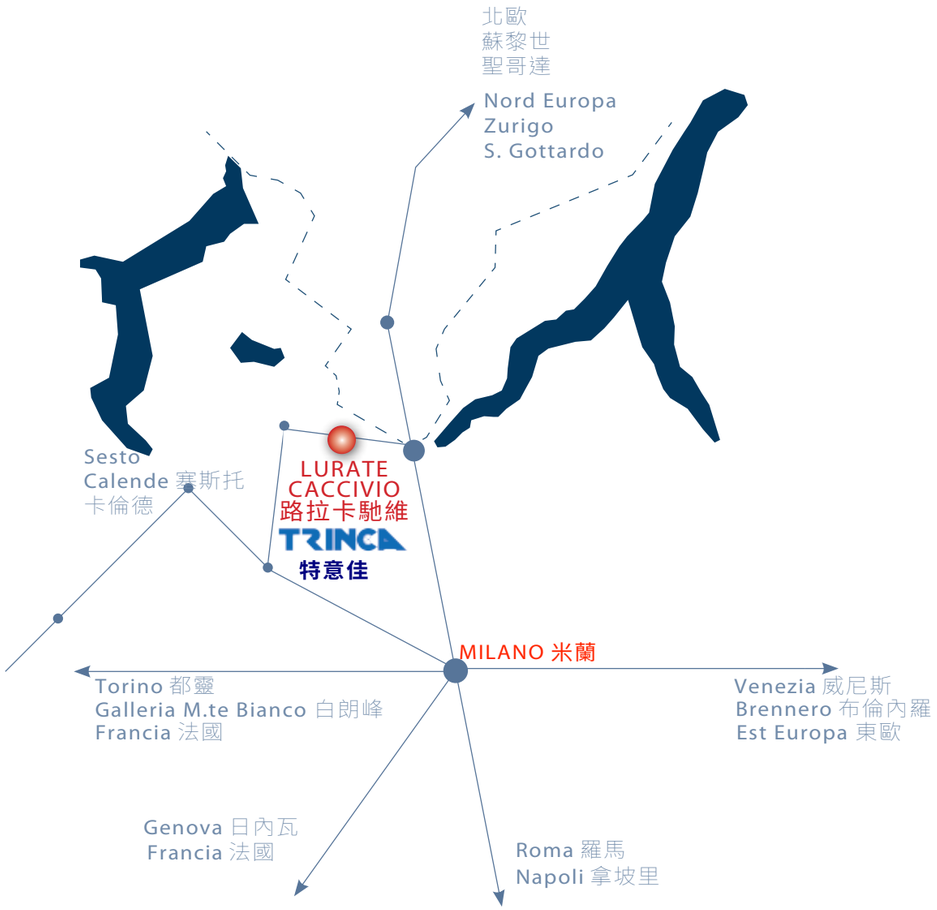

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