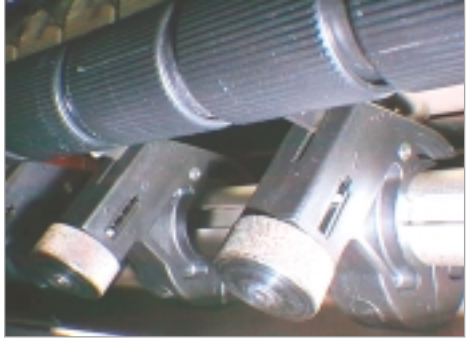
- Direct yarn feeding
- Yarn carriers indipendent from the carriage
- Color LCD user interface

PK3P

PROTTI
FASHIONTRONIX

Sinker system programmable
Device to clear stitches where conventional takedown will not operate i.e. embossed fabrics, pockets etc. with independent selection of front and rear sinkers in each knitting system. 3 available positions in-out-half.

Take down roller
with sectors with opposite rollers individually adjustable



PK

PK3P is the last borne in the already ample range of PROTTI's models and it is characterised for its high versatility. The new technical characteristics make it the SOLE machine on the world market to set out simultaneously the necessary devices to produce jacquard, cut, structured, shaped and intarsia garments. The outcome of these choices will maximise either the quality and the productivity, in respect to the products of the competition which tend to favour some type of production to the detriment of others. To the winning characteristics of the previous series, recognised and appreciated by our customers worldwide, like DSCD with its 3 technical ways, the Split Technology, the needles' fields length, the independent programming Sinker system, the inversion on the needle, PK3P adds in the new user interface, the direct yarn feeding and the independent moving of the carriage yarn carriers.

It is remarked also the machine possibility to be linked to an Ethernet network and the possibility to connect a video camera to see internal areas of the machine, the latter device is optional.

As far as the machine programming is concerned, the PV Basic software is supplied. However considering the high versatility of the possible productions it is strongly recommended also the purchase of the automatic IKS software.

not included

USER FRIENDLY

Color LCD user interface

It is composed by a colour screen panel (LCD TFT 12.1). Its scope is to make simple the machine approach by the user. The advantages are many, like:

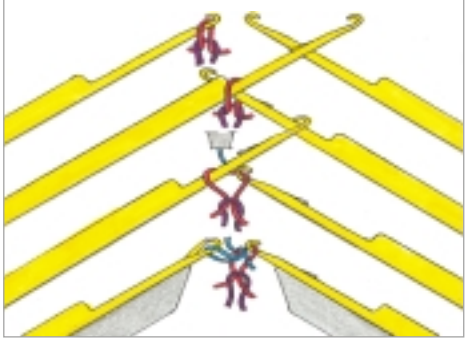
- Ergonomics (variable orientation positioning), easy to read (colour graphics and the big characters make the data reading easy even from a distance)
- User friendly (variable menus management and immediate commands through keys set on the screen side).


Color LCD user interface

Split technology

DSCD with 3-way technical working tracks

Sinker system with independent selection



Split Technology
Device to avoid formation of holes during knitting on empty needles (cables, etc.). It is included in all knitting systems without replacing any cams.

DSCD
The device for supplementary division enables to knit slacker and tighter stitches and to programme differences for each system and in each row of knitting.

K3P

NEW INSTRUMENTS

Direct yarn feeding

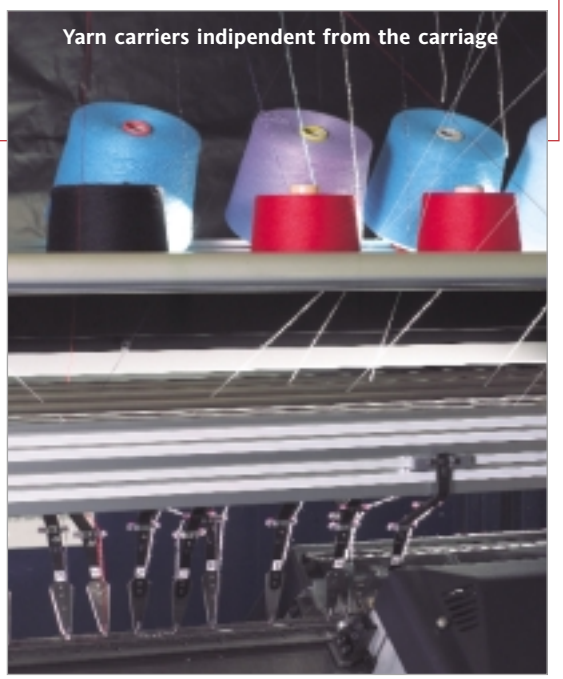
This was achieved by eliminating the carriages connecting bridge with consequent reduction of its weight and related inertia. This solution other than the mentioned mechanical advantages, allows the yarn entry in a natural way, enhancing the knitting quality, eliminating passages and related friction, reducing the yarn breaking and consequently increasing the carriage speed, shortening the put-in-production time.

SPEED

Yarn carriers indipendent from the carriage

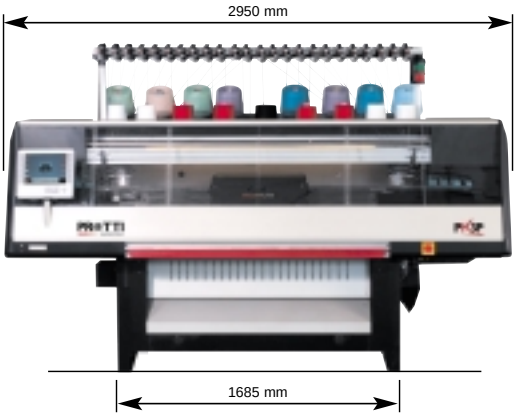
This allows considerable advantages like:

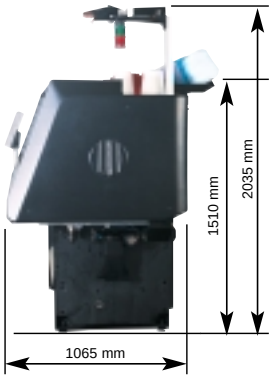
- Eliminating all the idling runs for the yarn carrier positioning, which is done automatically.
- Reducing the exit, entry and yarn carriers stapling times.
- Controlling the yarn feeders position which will no more be left in a dangerous position.
- Optimising the selvedges' working avoiding the yarn jumps.
- Possibility to modify dynamically the phase displacement between the system and the yarn-feeder (the traditional opening of the yarn-feeder box).
- Execution of intarsia works up to 24 yarn-feeders with positioning of the same ones on the needle and electronically controlled by motors, that eliminates the expensive balancing and mechanically braked yarn-feeders. It allows a high quality knitting up to 18 gauge. Furthermore this system reduces by over 50% the production time in the intarsia works as compared to a machine with balancing yarn-feeders moved by the carriage.
- Identification of yarn-feeders as plating feeders, weft, intarsia or normal by simply specifying in the knitting program.


Yarn carriers indipendent from the carriage

- **Width working field on the needle**
- **Rotating front needle bed**
- **PV Basic included**

PK3P





Needle bed	cm 130 (52") - Interchangeable jacks - Rotating front needle bed
Gauges	4-5-7-8-10-12-14-16-18 - Needle by needle selection with selection groups - Sinkable needles
Knitting systems	3
No. of carriages	1
Working system	Combined knitting and stitch transfer - Simultaneous double stitch transfer independently from the carriage direction - 3 technical selections for knitting (knit, tuck, miss) - 2 technical selections for stitch length (long and short stitches) - Programmable difference between long and short stitches - Dynamic variation of stitch length.
Split	Split Device integrated in knitting/transfer system
Stitches length	63 different indidually adjustable positions
Racking Device	Programmable rear needle bed racking max 4"
Sinker system	With Front/rear full sinker system with in-work and out-of work
Yarn Pusher	Yarn pushing device with compressed air
Take-down system	Programmable main take-down mechanism - Supplementary fabric take-down - Set up comb - 2 pliers yarn cutter on right and left side - Fabric ejection device with compressed air - Fabric drop down and rolling up sensors
Trappers and Pliers	2 trappers and 1 plier yarn-cutter on right and left side
Yarn carriers	8 yarn carriers independent from the carriage (max. 24 on request)
Upper tension arms	8 Upper tension arms with knots double check, max equipment on request (max. 24 on request)
Cone holders	8 Magnetic cone holders (max. 24 on request)
Carriage	Variable stroke - Max speed 1.3 m/sec - 7 programmable speeds
Cleaning & Lubrification	Vacuum and blower system - Automatic Oiling system device
Protections	Designed, built and marked CE in conformity to CEE directive 89/392 - Start and stop bar - Internal lighting - Acoustic device when machine stops
Programming apparatus	Multiprocessor RAM memory 64 MB - Alphanumerical keyboard - Self diagnosis - Colour LCD display 800x600 - Floppy-disk 1.44 MB - Hard disk solid state 8 MB - Net card Ethernet 10/100
Machine Size and weight	H= 2035 mm - L= 2950 mm - W= 1065 mm - Net weight = 1390 kg
Crate Size and weight	H= 1915 mm - L= 3500 mm - P= 1100 mm - Gross weight = 1760 kg

The manufacturer follows a policy of continuous developement and therefore reserves the right to makeany change considered suitable without prior notice.

PROTTI FASHIONTRONIX

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