

# C2.185 SCP

## CHARIOT PORTE-CAMES

Machine 1 tête à chariot ouvert, enfilage direct du fil  
Porte-cames double chutes avec report bidirectionnel dans chaque chute  
Fonction trois-pistes techniques avec bouche-trou intégré  
Serre de mailles à changement électronique sans limite à tout instant  
Sélection Steiger électronique des aiguilles

## FONTURES

Longueur utile 185 cm (option 130cm)  
Pince-fil, coupe-fil et pique-fil intégré  
Chevalement sélectif +/- 60 mm  
Avec possibilité de corrections  
Jauge E3 –E2.5-2  
Equipées d'aiguilles composées (brevet Steiger)  
Sélection par une seule clavette mono-sélecteur  
Auto-nettoyage par aspirateur Venturi  
Peigne de tirage

## GUIDE-FILS

24 guide-fils motorisés horizontalement et verticalement  
Cantré externe 34 arrêts aux nœuds (option)  
Programmation automatique du pilotage de guide-fils  
Vanisage de haute qualité réalisable par guide-fils multiples  
Kit support fournisseurs avec alimentation intégrée (option)

## POSSIBILITÉS / PERFORMANCES

Tous types de jacquards et structures  
Formes, finitions, divers, chaînettes, col intégré,  
Reprise de tricotage sur aiguilles vides  
Fléchage illimité grâce à son tirage actif à 25 mm de la formation de maille  
Programmation Model Version 8 avec licence d'utilisation  
Model Version 9 mise à jour, assistance et maintenance cumulées (option)  
Programmation Model+ mise à jour, assistance et maintenance cumulées (option)

## ENTRAÎNEMENTS

Chariot par moteur "brushless" course variable à l'aiguille de 0 à 1,30 m / sec. maximum  
Guide-fil moteur Brushless  
Tirage tricot par moteur à courant continu avec possibilité d'inversion

## CONTRÔLES / SÉCURITÉS

Toutes sécurités nécessaires pour arrêter la machine en cas de casse-fil, nœud, choc, surcharge, bourrage  
Batterie de sauvegarde du programme en cas de coupure de courant  
Arrêt au bourrage rétractable  
Carte accès réseau-atelier 10/100 Mbp  
Programme d'auto-diagnostique  
Mémoire machine 1 GB  
Interface utilisateur par écran tactile couleur  
Clé USB pour transfert et sauvegarde des programmes  
Netcontrol : gestion de la production (option)  
Powerloss : arrêt avec sauvegarde du panneau en cours en cas de coupure prolongée de courant (option)

## DIMENSION/CONSUMMATION

Longueur : 4020 mm  
Hauteur : 1800/2400 mm  
Largeur : 940/1260 mm  
Poids : 1750 kg  
Puissance : AC400V +/-10% ; 50Hz ; 1,5 KW

## CARRIAGE - CAM BOXES

Single head without cam carriage bridge, with direct yarn feeding from the top.  
2 systems cam boxes each with integrated bi-directional transfer  
Unlimited patterning possibility with the Three-Way-Technique  
Integrated split-stitch function  
Stitch length controlled electronically with possibilities to modify any time  
Electronic needle selection

## NEEDLEBEDS

Working width 185cm (option 130cm)  
Yarn clamps / scissors and yarn picks integrated  
Selective racking over +/-60 mm with possibility of correction  
Gauge E3 –E2.5-2 equipped with compound needle patented by Steiger  
Mono-selector  
Auto cleaning by venturi  
Comb

## YARN CARRIERS

equipped with 24 vertically and horizontally motorized yarn carriers  
Outside creel with 34 yarn tensioners (option)  
Independently programmable yarn carrier  
Unique device for in-lay for technical articles (option)  
Plating with 2 yarn carriers  
Kit for supporting yarn feeding unit (option)

## POSSIBILITIES / PERFORMANCES

All types of jacquard and structures  
Shape, cast-off, V-neck, etc.  
Press-on on empty needles  
Narrowing by retained stitch  
Programming with Model Version 8 updates, assistance and maintenance  
Model Version 9 updates, assistance and maintenance (option)  
Model+ updates, assistance and maintenance (option)

## DRIVES

Carriage brushless motor adjustable from 0 to 1,30 m / sec. max.  
Yarn carrier encoders  
Upper take down system with possibility of reversing drive

## CONTROLS / SECURITIES

All necessary devices to stop the machine in case of yarn breakage, knot, running out of yarn, shock.  
Fabric press-off, over-heating motors, load-up detector.  
Reserve battery (in case of power failure)  
Self diagnostic  
Backup capacity 1 Giga  
Network 10/100 Mbps  
12" color touch-screen interface  
Interface USB stick  
Netcontrol production control (option)  
Powerloss : machine stop without loss of production in case of power failure (option)

## DIMENSION

ength: 4020 mm  
Height: 1800/2400 mm  
Width: 940/1260 mm  
Weight: 1750 kg  
Power consumption: AC400V +/-10% ; 50Hz ; 1,5 KW

## CARRO CON PIASTRE PORTA CAMES

Macchina a una testa a carro aperto, con alimentazione diretta del filo.  
Piastrre porta camme a doppia caduta con trasporto bidirezionale in ogni caduta.  
Tre vie tecniche con tappabuchi integrato.  
Gradazioni di maglia con controllo elettronico illimitato in ogni istante.  
Selezione elettronica Steiger degli aghi.

## FRONTURE

Lunghezza utile 185 cm (opzione 130 cm).  
Pinza, forcine e prendi filo integrati.  
Spostamento selettivo +/- 60 mm con possibilità di correzione.  
Finezza E3 – E2.5 – E2 con ago composto (brevetto Steiger).  
Selezione con una sola platina monoselettore.  
Autopulizia con aspiratore Venturi.  
Pettine di tiraggio.

## GUIDAFILI

24 guidafili motorizzati orizzontalmente e verticalmente.  
Cantra esterna di 34 tensioni (opzione).  
Programmazione automatica del posizionamento dei guidafili.  
Vanisé di alta qualità realizzabile con guidafili multipli.  
Kit per supporto di fornitori di filo (opzione).

## POSSIBILITA'/PRESTAZIONI

Tutti i tipi di Jacquard strutturato.  
Capi sagomati, finiture, catenelle, scollo integrato.  
Rimagliatura su aghi vuoti.  
Fléchage illimitato grazie al tiraggio attivo a 25 mm. dalla formazione delle maglie.  
Programmazione Model Versione 8 con licenza d'uso.  
Model Versione 9 con aggiornamenti, assistenza e manutenzione (opzione).  
Model+ con aggiornamenti, assistenza e manutenzione (opzione).

## TRAINO

Motore "brushless", corsa variabile sull'ago da 0 a max. 1,30 m./sec.  
Motori brushless per guidafili.  
Motore a corrente continua per tiraggio con possibilità di inversione.

## CONTROLLI/SICUREZZE

Tutte le sicurezze necessarie per arrestare la macchina in caso di rottura di filo, nodi, choc, sovraccarico, salva aghi, etc.  
Batteria di salvaguardia del programma (in caso di black-out elettrico).  
Salva-aggi retrabile.  
Scheda gestione collegamento in rete 10/100 Mbps.  
Programma di autodiagnostica.  
Memoria macchina 1 Gb.  
Interfaccia utilizzatore tramite touch-screen a colori.  
Uscita per chiave USB.  
Netcontrol: gestione della produzione (opzione).  
Powerloss: arresto macchina con salvataggio telo in lavorazione in caso di black-out elettrico (opzione).

## DIMENSIONI/CONSUMI

Lunghezza: 4020 mm  
Altezza: 1800/2400 mm  
Larghezza: 940/1260 mm  
Peso: 1750 kg  
Potenza: AC 400V +/- 10%; 50 Hz; 1,5 KW

# C2.185 SCP

STEIGER offers new software solutions to optimize the output of your machines. Discover MODEL+ the totally new programming software. Intuitive, powerful and easy to access, it makes programming of complete garment knitting, multilayer knitting, complex in-lay and Intarsia available to the greatest number of people. With Netcontrol 2.0, the production control software, just connect your machines to a server and optimize the productivity of your workshop.

## NETCONTROL 2.0



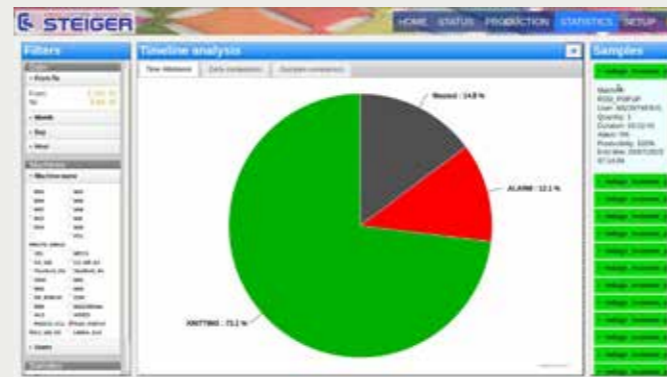
Display of the shop-floor with machine status

## FEATURES:

- Networking machines
- Online monitoring of the machines' status
- Centralised production management
- Statistics

## STEIGER PARTICIPATIONS SA

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Production's reporting and statistics

## CUSTOMER BENEFITS:

- Simplified production supervision
- Cost reduction
- Quality and productivity monitoring
- Increased productivity

## Flat knitting machine

# C2.185 SCP





Un nouveau domaine d'application s'ouvre dans le tricotage rectiligne avec la C2.185 SCP. Cette machine contient l'aiguille composée brevetée par Steiger dans une fonture grande largeur de 185 cm. Cette aiguille unique permet le tricotage de fibres de gros titrage en tricot double couche, en Intarsia complexe ou en tramage. Les atouts reconnus de Steiger comme le tirage, le chariot ouvert sont optimisés sur la C2.185 SCP. De nouvelles fonctions apparaissent telles que les guides-fils motorisés horizontalement et verticalement. Conviviale et facile d'utilisation, la C2.185 SCP fait partie d'un concept innovant qui inclut un nouveau soft de programmation : MODEL+. Intuitif, puissant et facile d'accès il rend accessible la programmation au plus grand nombre.

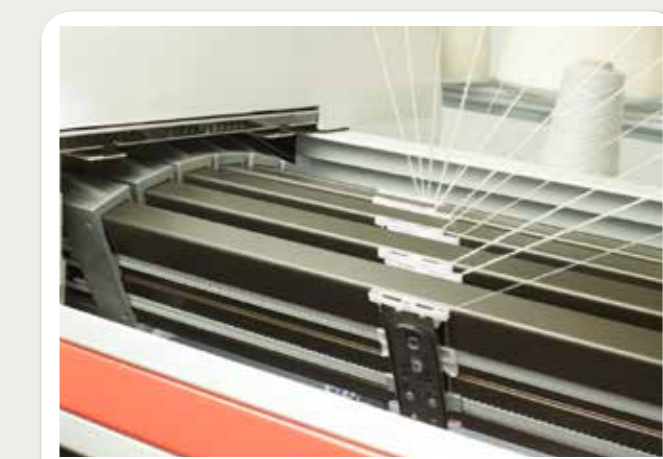
A new application opens in the flat knitting with the C2.185 SCP. This machine contains the innovative compound needle patented by Steiger in a large needlebed of 185 cm. This unique needle enable to knit big yarn multilayers fabric, complex intarsia and in-lay knitting. The recognized Steiger's strengths as the take-down, the open carriage are optimized on the C2.185 SCP. New features also appear such the vertically and horizontally motorized yarn-guides. Friendly and easy to use, C2.185 SCP is part of an innovative concept that includes a new programming software: MODEL+. Intuitive, powerful and easy to access, it makes programming available to the greatest number of people.

Con il modello C2.185 SCP si aprono nuove prospettive di sviluppo nel settore delle macchine rettilinee. Questa macchina è equipaggiata con l'ago composto brevettato da Steiger in una frontura a grande lunghezza di 185 cm. Quest'ago inedito permette di lavorare filati con grosse titolazioni in strutture di maglie a doppio strato, con tramature ed intarsi complessi. I punti di forza da sempre caratteristici di Steiger come il tiraggio o il carro aperto sono ulteriormente ottimizzati sulla C2.185 SCP. Fanno la loro comparsa nuove funzioni come i guidafile motorizzati in senso orizzontale e verticale. Conviviale e di facile utilizzo, la C2.185 SCP fa parte di un progetto di sviluppo innovativo che comprende anche un nuovo software di programmazione: MODEL+. Intuitivo, potente e di facile accessibilità, rende la programmazione veramente alla portata di tutti gli utilizzatori.

**MOTORIZED YARN-GUIDES**  
Controlled by the knitting program, it allows the performing of all the most creative patterns. Horizontally and vertically motorised, this new system provides greater job security and opens new knitting skills for Intarsia, plating and in-lay knitting.

**OPEN CARRIAGE**  
The open carriage with direct threading allows knitting with any type of yarn at high-speed with reduced tension. The yarn path between the cone and the needle, which is smaller, allows a highly limited friction. This will form a unique stitch whose attractiveness is especially appreciated by designers.

**CONTROLLED KNITTING COMB**  
The latest generation comb takes the stitch and release it with a motor controlled hook closure. This new system allows using any kind of start yarn with a 100% scrub reliability and drop.



**FAN STRIPING BARS**  
This disposal is designed to give maximum visibility and easy threading to the 24 yarn-carriages by the operator. The 6 bars with 2 yarn-carriages on each side offer a bird's eye view of the needle bed lit by a LED economically efficient system. The safety of the operator is ensured by an optical barrier.

**TAKE DOWN**  
The patented friction take down can knit a wide range of exclusive patterns using the 3D method with circular knitting effects as well as horizontal cable and incorporated elements. This features which cannot be produced with a traditional take-down are here easy to achieve with a unique productivity and quality

**SINKER SYSTEM**  
With its path and form, the sinker system plunges to the needle bed opposite to the touch. This unique performance allows a tight knit but also to design very long floated yarn for intarsia or complex in-lay products. This function is programmable. During a knitting row it can be activated or deactivated several times according to the defined program.

**Needle to slider transfer**      **Slider to slider transfer**

L'aiguille composée brevetée par Steiger possède une coulisse originale qui rend la C2.185 SCP unique. En effet cette coulisse, qui fait office de palette pour former la maille, permet de réceptionner une maille alors qu'une ou plusieurs mailles sont stockées dans le crochet de son aiguille. Ainsi, pour déplacer des mailles latéralement, il n'est pas nécessaire que les aiguilles opposées soient vides puisqu'elles peuvent recevoir les mailles sur leur coulisse puis les restituer. Ces innovations, disponibles pour la première fois sur une machine à tricoter, ouvrent des possibilités infinies de tricot multicouches, de tramés et d'Intarsia complexes

The compound needle patented by Steiger has an original slider that makes the C2.185 SCP unique. This slider, which works as a pallet to form the stitch, allows receiving a stitch while one or more stitches are stored in the hook of the needle. Thus, to move stitches laterally, it is not necessary that the opposing needles are empty since they can receive the stitches on their slider and then return them. These innovations, available for the first time on a knitting machine, open up infinite possibilities for multi-layer knitting, complex in-lay knitting, Intarsia.

L'ago composto brevettato da Steiger comprende un elemento a scorrimento (slitta) sullo stelo dell'ago che rende unica la C2.185 SCP. La slitta, che svolge la funzione di linguetta per la formazione maglia, permette infatti di ricevere una maglia mentre una o più maglie sono già caricate nell'uncino dell'ago. Pertanto, per spostare lateralmente delle maglie, non è più necessario che gli aghi opposti siano vuoti, dato che possono comunque ricevere le boccole ciascuno sulla propria slitta per poi restituirle. Queste innovazioni, disponibili per la prima volta in una rettilinea, dischiudono infinite nuove possibilità di lavorazioni a maglia multistrato, di tramati, di intarsio complessi.