



***BOX SORTING LINE WITH
LAYER-CROSS CUT & STACKING
Pontrilas Timber Ltd.
United Kingdom***





Main product entering line. Sideboards are seen entering in the background right



Tiltable waterfall singulator is receiving main product from upper conveyor and sideboards on the lower



Timber entering building on 90° conveyor



Waterfall singulator

Box sorting line for Pontrilas Timber Ltd.

Pontrilas Timber Ltd. is an order producing saw-mill with a very wide range of finished products including canvassing timber and pallet wood.

The company also includes a Building merchant division.

The flexible solution presented in this brochure meets the requirements of receiving the main product, which can be timber with a section of up to 100 x 225 mm, as well as sideboards with sections down to 15 x 75 mm.

The timber is received directly from the main saw line, an edging line or from a tilt hoist.

The quality inspection takes place at a shark fin turner, which is a long version with push button belt for downgrading and trimming of boards and timber.

The line is prepared for installation of full face scanning on both sides for better optimizing and improved yield.

The line finally offers a high flexibility in layer cross cutting of timber or pallet boards as well as stacking with sticks for drying or for finished products and strapping/labelling of packs.



BCO Speed Feeder getting a secure grip



Boards are inspected on shark fin turner



Boards leaving shark fin turner



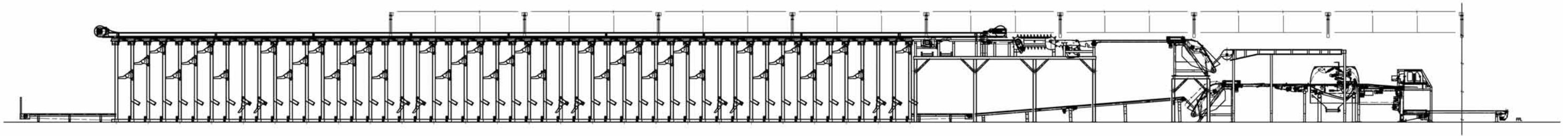
Second grade board being dumped



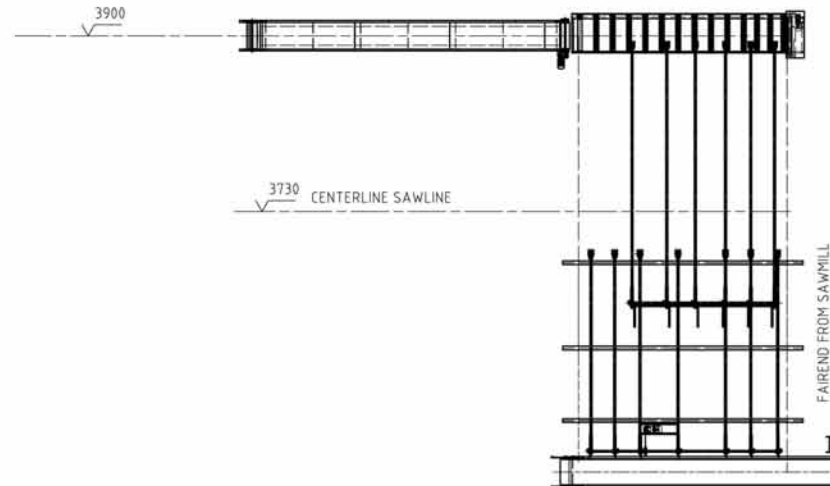
End trimming board before sorting boxes



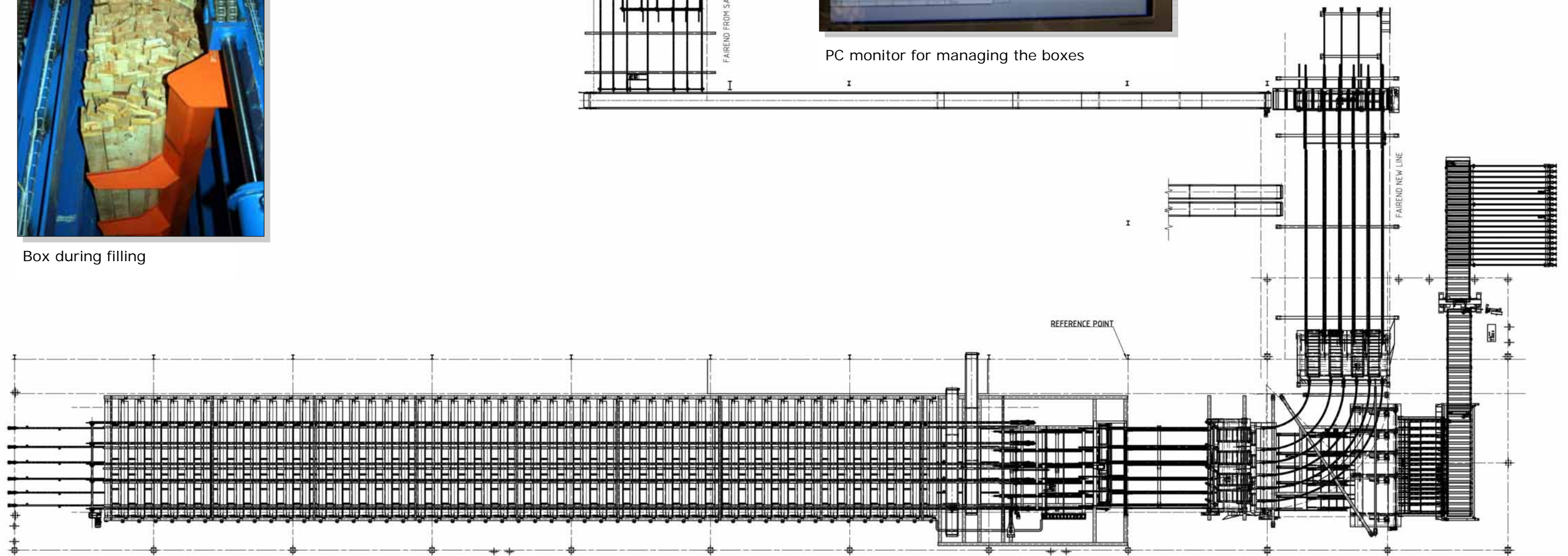
A view of the sorting line with 50 boxes



Box during filling



PC monitor for managing the boxes



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Street& Co. A/S	Postboks 70	200905JT	Scale:
1:100		Dwg. No.	
LAYOUT BOX SORTING, X-CUT & STACKING LINE		5340.00.00	
PONTILAS TIMBER		Street& Co.	



A board entering box no. 15



A box immediately after the gentle emptying



Building the layer before cross-cutting



Boards are trimmed and cross-cut



Pneumatic stick cassettes: fast and accurate



Strapping the finished pack



Flexible push-bar box sorting line with 50 sorting boxes for boards and timber, layer cross-cutting and stacking.

Timber dimensions:

Length : 2.4 - 6.1 m
 Thickness : 15 - 100 mm
 Width : 75 - 225 mm

The line includes:

- Tilttable waterfall singulator
- The BCO Speed Feeder for safe singling of up to 120 boards/min. at varying dim.
- Shark fin turner for inspection of boards. Long version with push button belt for downgrading and trimming of boards and timber.
- Dumpgate
- Top trimming saw, max. cut 100 mm.
- Push bar sorting conveyor
- 50 vertical sorting boxes equipped with hydraulic raising/lowering and emptying function for gentle board handling
- Multi cross-cutting line equipped with the BCO 5/100 saw with 5 sawing units, CNC-positioning, 1 sawing unit can be tilted 45°
- Stacking line with 8 stick cassettes, capacity 120 boards or 12 layers/ min.



Installation flexible de type pousseur pour le classeur en 50 boîtes aussi bien pour des planches que pour bois de charpente, tronçonnage en rangs et empilage.

Dimensions du bois:

Longueur : 2.4 - 6.1 m
 Épaisseur : 15 - 100 mm
 Largeur : 75 - 225 mm

L'installation comprend:

- Alimenteur pièce par pièce, inclinable, de type cascade
- Distributeur de planches pièce par pièce type *BCO Speed Feeder* pour une singularisation fiable de jusqu'à 120 planches/min. des dimensions variées
- Dispositif inverseur type "ailerons de requin" pour inspection de planches, longue version. Avec "bande presse-bouton" pour la spécification de qualité et dressage
- Clapet d'évacuation
- Tronçonneuse supérieure pour scier à dimension, coupe jusqu'à 100 mm.
- Transfert de triage de type pousseur
- 50 boîtes de triage verticales équipés d'un bras d'élévation hydraulique pour fonctions modérées de soulèvement, d'abaissement et de vidage
- Ligne de tronçonnage multiple, comprenant scie type *BCO 5/100* ayant 5 unités de sciage, dont 1 unité orientable jusqu'à 45°, positionnement par CNC
- Ligne d'empilage avec 8 magasins à lattes, cadence 120 planches ou 12 rangs/ min.



Eine flexible Boxsortieranlage mit 50 Sortierboxen für Haupt- und Seitenware, Lagenkappung und Stapelung.

Holzabmessungen:

Länge : 2.4 - 6.1 m
 Stärke : 15 - 100 mm
 Breite : 75 - 225 mm

Die Anlage setzt sich wie folgt zusammen:

- Kippbarer Vereinzler
- Der Einstückzuteiler *BCO Speed Feeder* ermöglicht eine sichere Zuteilung von bis zu 120 Hölzern/min. mit unterschiedlichen Dimensionen
- Hai-Flossen-Wender für die Qualitätsbeurteilung, lange Version. Mit "Druckknopfband" für Qualitätsnormen und Kappinformationen.
- Ausscheideklappe
- Trimmkappsäge, max. Kapphöhe 100 mm
- Sortierförderer mit Schiebesystem und 50 vertikalen Sortierboxen mit holzschonender, hydraulisch angetriebener Heb-/Senk- und Entleerfunktion
- Multikappanlage bestückt mit einer Vielblattsäge Typ *BCO 5/100*, bestehend aus 5 Sägeeinheiten mit CNC-Positionierung, 1 Sägeeinheit davon ist 45° schwenkbar
- Stapelanlage mit 8 Lattenmagazinen, Kapazität bis 120 Holzstücke oder 12 Lagen/min.



Barra de empuje flexible para línea de clasificación de tablas para 50 boîtes, despunte de camadas de tablas y apilado.

Dimensiones de la tabla:

Largo : 2,4 - 6,1 m
 Espesor : 15 a 100 mm
 Ancho : 75 a 225 mm

La línea incluye:

- Individualizar inclinable tipo cascada
- El sistema BCO acelerador de alimentación para individualizar en forma segura hasta 120 tablas/minuto con dim. variables
- Volteador tipo aleta tiburón para la inspección de tablas. Versión larga con cinta con botonera para bajar de grado y despuntar tablas
- Puerta de evacuación
- Despunte con sierra desde arriba, corte max. 100 mm
- Clasificador con barra de empuje
- 50 boîtes verticales equipados con asensor de tablas hidráulico y con vaciado de tablas en forma suave
- Despuntador múltiple equipado con el BCO 5/100 con 5 sierras, posicionamiento con CNC, una unidad de sierra puede ser inclinado en 45 grados
- Línea de apilado con casset para 8 tablas separadoras, capacidad 120 tablas o 12 capas/min.

The Brødbæk & Co. sales organisation

Sales is organized through the Brødbæk & Co. worldwide net of representatives.

Our representations are located on the following markets:

- *Belarus*
- *Belgium*
- *Chile*
- *Estonia*
- *Finland*
- *France*
- *Germany*
- *Great Britain*
- *Lithuania*
- *Norway*
- *Poland*
- *Portugal*
- *Russia*
- *Spain*
- *Sweden*
- *South Africa*

The representatives make the first contact with a new customer. Project requirements are specified and the sales- and technical staff from Brødbæk & Co. are contacted for involvement.

Quotations for the project are made and presented, and often a visit is arranged together with the customer to a sawmill operating with the Brødbæk & Co. equipment in question.

Recently the vital area of service and spare parts has been reinforced at Brødbæk & Co. One employee is handling mechanical spare parts and one is handling electrical spare parts.

Brødbæk & Co. is a frequent exhibitor on the leading exhibitions in several countries – among them always LIGNA in Germany.

Three times a year we publish a newsletter with articles on new developments, case stories from the lines implemented worldwide as well as on presentation of new videos, brochures and other news.

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*Enquire regarding your specific requirements –
Brødbæk & Co. will provide a specialized yet modular solution.*

Representative :