CombiLine
Combi shelf

Design | **TreCe**
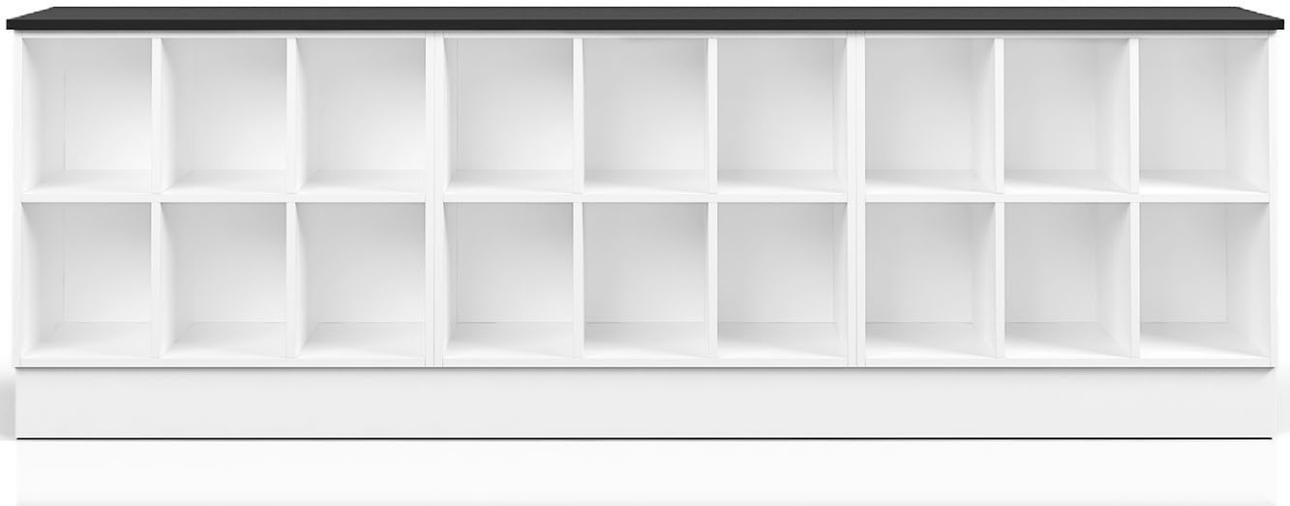
The Combi shelf, an adaptable storage unit. Build freely from floor to ceiling. Utilise the wall surface with a wall mounted combi shelf and create a unique module by freely combining together with optional accessories. The Combi shelf is available in standard white or lacquered in any NCS colour.

Worktops for the lower models are also available as a supplement.

Dimensions: Width x Height x Depth (height incl. plinth). **Frame:** 19 mm. **Plinth:** 157 mm.
Mounting strip is included in all wall mounted products.
NCS refers to product lacquered in one optional NCS colour.

CombiLine Combi shelf, Wall

KBV30/2	**KBV60/2**	**KBV90/2**		**KBV30/3**	**KBV60/3**	**KBV90/3**
310x723x370	605x723x370	900x723x370		310x1075x370	605x1075x370	900x1075x370

Height 723 mm, Depth 370 mm

Name	White	NCS	Beech	Birch	Oak
KBV30/2	831615	839615L	833615	835615	837615
KBV60/2	831625	839625L	833625	835625	837625
KBV90/2	831635	839635L	833635	835635	837635
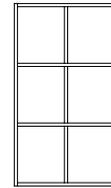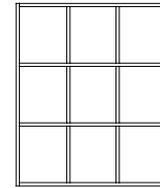
**Height 1075 mm, Depth 370 mm**

| Name	White	NCS	Beech	Birch	Oak
KBV30/3	831616	839616L	833616	835616	837616
KBV60/3	831626	839626L	833626	835626	837626
KBV90/3	831636	839636L	833636	835636	837636

CombiLine Kombihylla, Golv
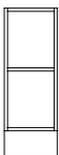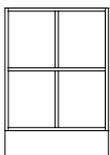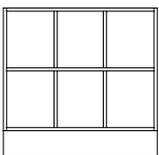
KBH30/2	**KBH60/2**	**KBH90/2**		**KBH30/3**	**KBH60/3**	**KBH90/3**
310x880x370	605x880x370	900x880x370		310x1232x370	605x1232x370	900x1232x370

Height 880 mm, Depth 370 mm

Name	White	NCS	Beech	Birch	Oak
KBH30/2	831611	839611L	833611	835611	837611
KBH60/2	831621	839621L	833621	835621	837621
KBH90/2	831631	839631L	833631	835631	837631
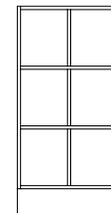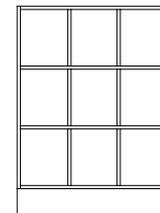
Height 1232 mm, Depth 370 mm

Name	White	NCS	Beech	Birch	Oak
KBH30/3	831612	839612L	833612	835612	837612
KBH60/3	831622	839622L	833622	835622	837622
KBH90/3	831632	839632L	833632	835632	837632

CombiLine Combi shelf, Floor
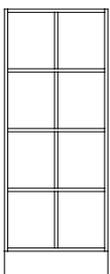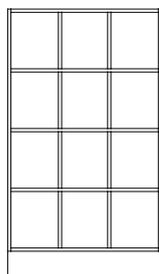
KBH30/4	**KBH60/4**	**KBH90/4**		**KBH30/5**	**KBH60/5**	**KBH90/5**
310x1584x370	605x1584x370	900x1584x370		310x1936x370	605x1936x370	900x1936x370

Height 1584 mm, Depth 370 mm

Name	White	NCS	Beech	Birch	Oak
KBH30/4	831613	839613L	833613	835613	837613
KBH60/4	831623	839623L	833623	835623	837623
KBH90/4	831633	839633L	833633	835633	837633
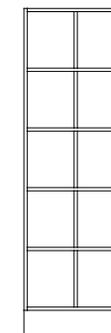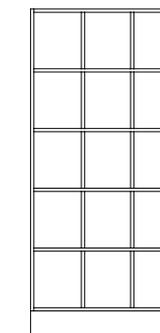
Height 1936 mm, Depth 370 mm

Name	White	NCS	Beech	Birch	Oak
KBH30/5	831614	839614L	833614	835614	837614
KBH60/5	831624	839624L	833624	835624	837624
KBH90/5	831634	839634L	833634	835634	837634

Feel free to complement the lower modules with a worktop.

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Dimensions: Width x Height x Depth (height incl. plinth). **Frame:** 19 mm. **Plinth:** 157 mm.
NCS refers to product lacquered in one optional NCS colour.

Worktops High pressure laminate, Formica Collection Colours and Woods, Pfleiderer Wood decors

White
(F1040)

Beech
(F2726)

Birch
(F7555)

Oak
(R20095)

Ash
(F1004)

Light grey
(F7927)

Grey
(F7912)

Anthracite
(F2297)

Black
(F2253)

Olive
(F5343)

Name	Colour	Art no.
Laminate - 390 mm depth	White F1040	821003
Laminate - 390 mm depth	Beech F2726	822003
Laminate - 390 mm depth	Birch F7555	824103
Laminate - 390 mm depth	Oak R20095	826003
Laminate - 390 mm depth	Ash F1004	828073
Laminate - 390 mm depth	Light grey F7927	828013
Laminate - 390 mm depth	Grey F7912	828003
Laminate - 390 mm depth	Anthracite F2297	828033
Laminate - 390 mm depth	Black F2253	828023
Laminate - 390 mm depth	Olive F5343	828083

Worktops MFC laminate

White
(6458BS)

Light grey
(U12188)

Anthracite
(U12011)

Name	Colour	Art no.
Worktop - 390 mm depth	White 6458BS	829003
Worktop - 390 mm depth	Light grey U12188	829103
Worktop - 390 mm depth	Anthracite U12011	829203

Worktops Veneer

Beech Veneer

Birch Veneer

Oak Veneer

Name	Colour	Art no.
Veneer - 390 mm depth	Beech	823003
Veneer - 390 mm depth	Birch	825003
Veneer - 390 mm depth	Oak	827003

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Specifications CombiLine

CombiLine
MFC laminated and lacquered surfaces within CombiLine have a chip core, with the exception of some shelves. Back, frame, doors and edge strips have the same colour/wood as other parts as standard, unless otherwise stated.

Frame
Thickness 19 mm, 0.8 mm straight ABS-lipping.
- MFC laminate white, beech, birch and oak.
- Lacquered available in any NCS-colour.

Back
Thickness 12 mm, laminate inside and outside.

Plinth
Every module has its own front and back plinth with 4 adjustable feet (does not apply to recycling units with loading ramps).
Plinth 157 mm. Can be replaced with;
- Bottom plate with adjustable stainless steel legs, height 157 mm.
- Bottom plate with lockable wheels, height 104 mm.

Doors
Thickness 16 mm, 2 mm straight ABS-lipping.
- White lacquered UV-treated MFC laminate (NCS S 0500-N), or MFC laminate in beech/birch/oak.
- Lacquered in any NCS colour.
- Self closing concealed hinges with integrated soft closing (does not apply to products with aximat hinges with 180° opening).
- Single doors are right-hung as standard.

Drawer fronts
Drawer front, low: 173 mm
Drawer front, high: 349 mm
Thickness 16 mm, 2 mm straight ABS-lipping.
- White lacquered UV treated MFC laminate (NCS 0500-N) and MFC laminate in beech/birch/ oak.
- Lacquered available in any NCS-colour.

Drawers
Drawers with depth 570 mm have soft closing.
- Extension 100%, max 35 kg (excl. recycling units).
- Extension 100%, max 65 kg.

Shelves
All shelves are adjustable and mounted with milled-in shelf support. Drill division c/c 32 mm.
- 310 – 605 mm have a chip core.
- 800 – 900 mm have a pine lamellar core.

Recycling unit
MDL60/MD60/MDH60/MD65/MD70
The bottom plate is equipped with an access ramp in stainless steel.
- Doors with aximat hinges for 180 degree opening for easy access to recycling containers.

Mail shelves
Adjustable with pull-out function and mounting strip, subdivision c/c 96 mm.
- Mail shelves in acrylic have integrated name slots.
- Mail shelves in powder coated steel white or black are available as an addition.

Steel doors mail sorting
White powder coated steel. Shelves inside in the same material as frame, 19 mm.
- Including lock and 2 keys with individual lock number.
- Inlet 22 mm. Open door gives a free space of 90 mm.

Wall modules
White lacquered mounting strip in steel is included for all wall modules.

Lock types
Cabinets locks, padlock fittings, code locks and RFID-locks (EM & Mifare). For network-based locks contact TreCe for individual advice.

Fitting pieces /Cover panels
Available as accessories in the same colour/material as frame. Width, height and depth adapted to your requirements.

Handles
Stainless steel bow handles as standard, if you would like black or white handles, please not on order.
- Standard handles c/c 128 mm.
- Grip handles 40 mm.

Work tops
High pressure laminate: 23 mm standard work-tops with high pressure laminate and 2 mm matching airtec-lipping.
- Formica Collection Colours
- Formica Collection Woods
- Pfleiderer Wood decors

MFC laminate: 22 mm standard worktops have an outer paper layer coated with an impregnated paper and a finish of Aluminium particles for extra protection against wear. 2 mm matching airtec-lipping.

Veneer: 22 mm clear lacquered beech, birch or oak veneered chipboard with 2 mm solid lipping.

Airtech-lipping: Airtec-lipping, also known as laser edging, provides an almost invisible joint between the worktop and edging strip. Thus provides a higher protection against water and heat. This new technology is glue-free, which results in a lower environmental impact.

Inserts: Powder-coated steel insert, available in white or black.
- Round with diameter 110, 250 or 400 mm.
- Square 250x250 mm or 350x350 mm.
- Slim 340x40 mm.

Lid for insert: Powder-coated steel. Available for round inserts with diameters 250 and 400 mm.

Inserts: Stainless steel, integrated ring in worktop
- Round 250 mm in diameter.

Lid for insert: Compact laminate, folded in / integrated into ring, thickness 6 mm
- Round 250 mm in diameter with knob.
- Compact laminate, Formica F2297 (anthracite) alt. F1040 (white).

General info

Mounting
All modules are factory mounted. Worktops/Cover panels/Top covers are mounted on site.

Warranty
We provide a 5 year factory warranty on CombiLine. Other products, contact TreCe.

Cabinet locks
Robust cabinet locks with master key system, individual numbers with 2 keys as standard. Identical locks available to addition.

Contact TreCe for customization of selected product.

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Sustainability

QUICK INFO.

Content	Certification TreCe	Certification TreCe
Environmental, quality & social aspects	ISO 9001:2015	ISO 14001:2015

Tillverkningsland	Certification Product	Approved user environments
Sweden	Möbelfakta	Offices, public spaces & schools

SVHC/ECHA's candidate list

No chemicals included in ECHA's candidate list of SVHC may be contained in levels of >0.1% by weight in the components, parts or chemicals that are included or used in the manufacturing of the furniture/product. See http://echa.europa.eu/en/candidate-list-table

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Wood

Routines must be in place to ensure that wood based materials are traceable and come from legal and acceptable sources, see table 1. Particleboards in white, beech, birch and oak meet the requirements.

Table 1: Requirements wood

Requirements	Complies
Has legal ownership and access rights	X
Follows nationally and locally applicable laws and regulations regarding use, environment, labour and welfare, health and safety, and other parties' rights.	X
Pays the relevant taxes and charges related to use.	X
Follows CITES regulations (only applicable to certain tree species, see the CITES website).	X
The wood complies with the requirements for formaldehyde emission requirements according to E1.	X

Metal

Fittings such as hinges, screws and handles for-fill the requirements in table 2.

Table 2: Requirements metal

Requirements	Complies
Metal that will have prolonged contact with skin (e.g. armrests) must not consist of alloys containing nickel, chromium III or chromium VI.	X

Adhesives

Adhesives used in manufacturing meet the requirements of table 3 which limit the use of environmentally and health hazardous volatile organic solvents (VOCs) and hazardous formaldehyde.

Table 3: Requirements adhesives

Requirements	Complies
Adhesives used in the manufacture of furniture or components for furniture may contain a maximum of 10% by weight VOC.	X
Adhesives used in the manufacture of furniture or components for furniture may contain a maximum of 0.2% by weight of free formaldehyde.	X

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Plastic

Plastic parts such as edgings, fittings and post shelves meet the requirements in table 4. For example, the post shelf is marked according to ISO 11469 with a stamp. The stamp shows the type of plastic and thus makes it possible to recycle and reuse the material.

Table 4: Requirements plastic

Requirements	Complies
Plastic parts >50 grams are permanently marked according to ISO 11469	X
Free from PVC (polyvinyl chloride)	X
Softeners/phthalates classified as hazard classification H360 have not been actively added or that the measured level does not exceed 0.1% by weight/substance and component.	X
Short-chain chlorinated paraffins (SCCPs) must not be actively added or that the measured level must not exceed 0.01% by weight/substance and component.	X
The following flame retardants have not been actively added or that the measured level does not exceed 0.1% by weight/substance and component.	X

Polybrominated biphenyls (PBBs)   CAS-nr: 59536-65-1
Decabromodiphenyl ether (dekaBDE)   CAS-nr: 1163-19-5
Pentabromdiphenylether (pentaBDE)   CAS-nr: 32534-81-9
Oktabromdiphenylether (oktaBDE)   CAS-nr: 32536-52-0
Tris (2,3-dibrompropyl) phosphate (TBPP)   CAS-nr: 126-72-7
Tris (1-aziridinyl) phosphine oxide (TEPA)   CAS-nr: 5455-55-1
Hexabromocyclododecane (HBCDD)   CAS-nr: 25637-99-4
Tris (2 chlorethyl) phosphate (TCEP)   CAS-nr: 115-96-8

No pigments containing lead, cadmium, tin, chromium VI or mercury have not been actively added or that the measured level does not exceed 0.01% by weight per component.	X

Surface treatment — white

Doors and fronts are UV-lacquered in white and meet the requirements stated in tables 5 and 6. Safety data sheets according to REACH CLP-regulation no1272/2008 are sent on request. Direct laminate products in beech, birch and oak are not surface treated.

Table 5: Requirements surface treatment

Requirements	Complies
The content of aromatic solvents / hydrocarbons in surface treatment products / preparations may not exceed 1.0% by weight.	X
Surface treatment with preparations containing VOC may have a maximum applied VOC component of 60 g / m^2 for office / public / outdoor environment.	X

Table 6: Hazard class and hazard statement according to Regulation 1272/2008

Hazard category	Hazard statement according to regulation 1272/2008	Complies
Acute toxicity	H300, H301, H310, H311, H330, H331	X
Toxic to body organs	H370, H371, H372, H373	X
Carcinogenic	H350, H351	X
Mutagenic	H340, H341	X
Toxic for reproduction	H360, H361, H362	X
Allergenic	H334	X
Dangerous to the environment	H400, H410, H411, H412, H413 If the use of surface treatment products is required for technical reasons, products labelled as dangerous to the environment (H400, H410, H411, H412, H413) may be acceptable if the content of environmentally hazardous substance <14 g/per m^2 of surface.	X
Hazardous to the ozone layer	H420	X

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The production

CombiLine is manufactured and assembled in Sweden. Environmental aspects related to production are presented in table 7.

Table 7: The environmental aspects of production.

Environmental aspect	
Environmentally classified materials / chemicals	Particularly hazardous chemicals, phasing out substances or priority risk reduction substances are not used. Handling and storage of all chemicals and substances are regulated so emissions to air, ground or water do not occur.
Surface coating	During the surface coating the production works actively to minimise the environmental impact through special handling and environmentally adapted colors and solvents. For example excess paint is collected and reused.
Emissions air	Emissions below the set license conditions. An air filter cleaner is installed that recycles tempered air which saves energy and reduces emissions to the outdoor environment.
Emissions water	Emissions below the set license conditions. Substances that are discharged into wastewater are environmentally friendly and contain no chemicals that the treatment plants cannot handle. Adhesives and varnishes that according to the safety data sheet are considered to pose a risk when released into water are collected in sealed containers and classified and treated as dangerous waste.
Waste	Residual material from particleboard is baled and collected for combustion in order to extract energy. TreCe is connected to the Packaging and Newspaper Collection (FTI). Waste is sorted according to the regulations that are based on the FTI and current legislation. Waste and residual products such as glue and oil residues are handled and collected separately.
Energy	In order to minimise energy consumption, heating is regulated based on working hours and which workstations are staffed. Investment in a compressor for a sustainable use of electricity resulted in an energy reduction of about 110,000 kWh/year.
Production optimization	The production process is optimised to save on materials, resulting in a reduced amount of waste, and to minimise energy consumption.
Energy per product	The energy consumption in electricity per product is 8.8 kWh.

The product

Environmental aspects linked to the product in addition to the materials are presented in table 8.

Table 8: The products aspects

Aspect	
Packaging	Stretch film and corrugated board used to pack TreCe products are free of chlorine and bleach. The box is glued with wheat or cornstarch.
Reuse and restoration	One of our core values is Smart design. This means, among other things, that we look at design from a wider perspective. TreCe products are long lasting. Instead of replacing the whole piece of furniture, there is the option of replacing only a few parts. In this way, our products become sustainable in the long term — a benefit for both you as a user and for the environment.
Lifetime and warranty	TreCe provides a 5-year warranty on the entire range and spare parts are available for 10 years. The estimated usage life is from 5 years up to 30 years, depending on the area of use.
Recycling	Material recycling leads to a reduction in virgin material extraction and thus reduces carbon dioxide emissions. Hinges and fittings can be melted down and wood-based materials can be recycled for the production of new chipboard which is almost as high quality as virgin. The materials are submitted to recycling facilities, contact your municipality for more information. CombiLine is designed so that the different materials can be separated without special tools. When dismantling, no environmentally hazardous emissions occur.

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Social responsibility

We have ensured that this product is manufactured under good conditions, ie. with regard to social and ethical issues such as working conditions, human rights, labour, environment and corruption. We have sent these requirements to our suppliers and subcontractors, who have each certified that they are followed. A summary is shown in table 9 and applies to the entire manufacture process of a product and it's components. The starting point is the UN guidelines on the "Code of Conduct" and Möbelfakta's requirements for Social Responsibility are formulated on the basis of the UN's Global Compact. As well as conditions for social and ethical considerations regarding tax irregularities and illegal labour. The principles are based on below;

- UN Universal Declaration of Human Rights
- Rio Declaration on Environment and Development
- International Labour Organization (ILO) eight core conventions on human and labour rights
- UN Convention against Corruption
- Work environment requirements based on ILO conventions on health and safety

Table 9: Summary requirements for social responsibility

Requirements		Complies
Legislation	The furniture and its components must be manufactured in accordance with national legislation.	X
Human Rights	Producers, manufacturers and suppliers operations must comply with human rights.	X
Working conditions	Wages, child labour, conditions of employment, working hours, benefits, penalties, freedom of association, forced labour and discrimination.	X
Working environment	The company must constantly strive to improve the working environment and workplace safety for its employees.	X
Environment	Identify environmental impact, work actively with environmental issues and involve staff. Procedures for law compliance must be in place and followed up.	X
Anti-corruption	No form of extortion, corruption, bribery or favoritism to or from employees or organizations is tolerated.	X
Tax irregularities /fraud	In addition to the statutory obligations applicable to the employees concerned, shall also anti-labour and tax fraud are applied, such as illegal workers.	X
Undeclared/illegal labour	No undeclared/illegal labour shall be hired to preform product manufacturing.	X

Quality

This product has undergone extensive quality tests for safety and function, as well as surface resistance. The criteria and standards apply to the public environment, school environment and office environment and are shown in Tables 10 and 11. The tests were conducted by RISE, a Swedish government research institute that performs testing and certification.

Table 10: Approved user environments

Product	Approved user environments	Complies
CombiLine-products with Möbelfakta label	Public environment	X
	School environment	X
	Office environment	X

Table 11: Standards against which the product has been tested and approved

Standard	Scope	Complies
SS-EN 14073-2:2004	Office furniture — Storage furniture — Part 2: Safety requirements	X
SS-EN 16121:2013 + A1:2018	Non-domestic storage furniture — Requirements for safety, strength, durability and stability	X
SS-EN 12720:2009 + A1:2013 SS 839117	Surface resistance Public environment / office	X

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