COLOREEL®

One thread. Unlimited colors.

The worlds first instant thread coloring unit

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COLOREEL

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This is Coloreel

Coloreel is a Swedish technology innovation company within the textile industry. Since 2009 the company has developed the ground-breaking Coloreel technology that enables instant thread coloring during production, opening up amazing new possibilities.
Coloreel's first product based on this technology is a thread coloring unit designed to be used with industrial embroidery machines.
In the future, this technology can also be used for sewing, knitting, weaving and more.

The possibilities with Coloreel

Exactly the right colors
The Coloreel unit offers unlimited colors and always provides exactly the right color when needed.

Amazing color effects
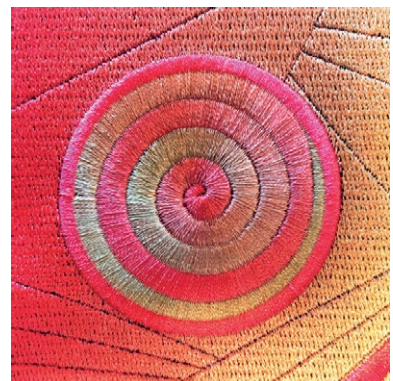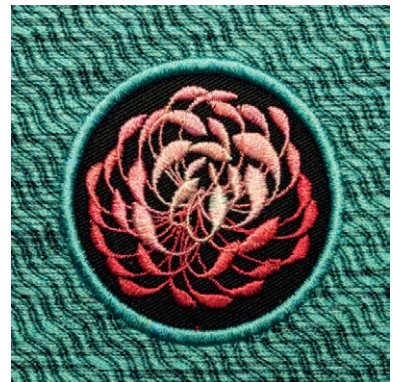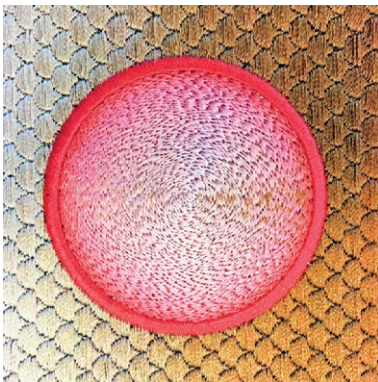Color changes can be made rapidly between any solid color or gradually to make smooth transitions.

Increased productivity
Only one thread reel per embroidery head minimizes thread stocks and reduces lead times. No unnecessary trims and lock stitches gives faster production and improved flexibility.
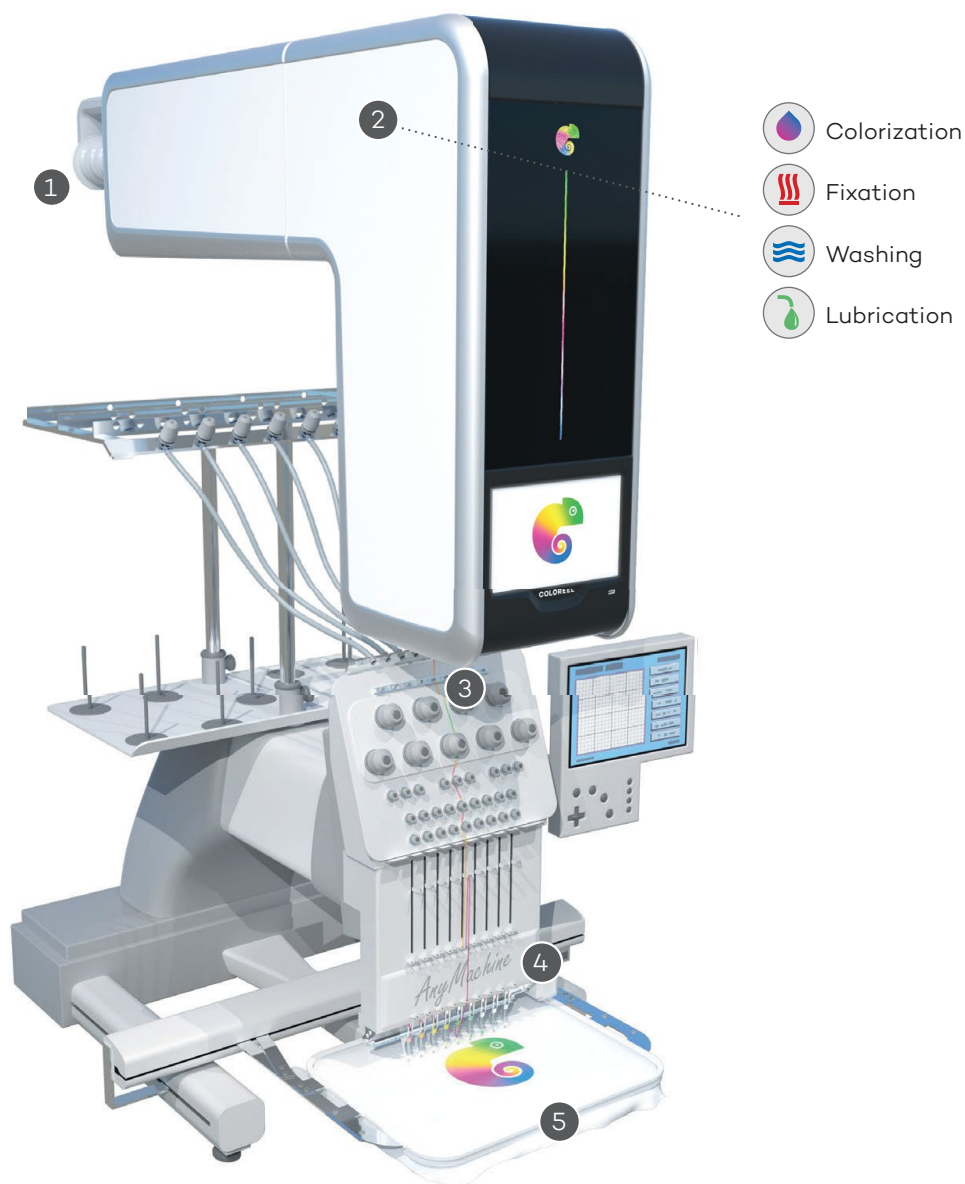
No thread waste
Dyeing only the amount of thread required reduces waste and minimizes the use of resources.

Coloreel functionality

Colorization

Fixation

Washing
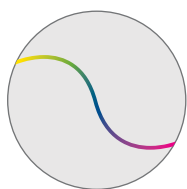
Lubrication

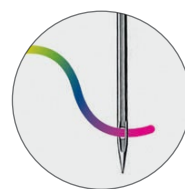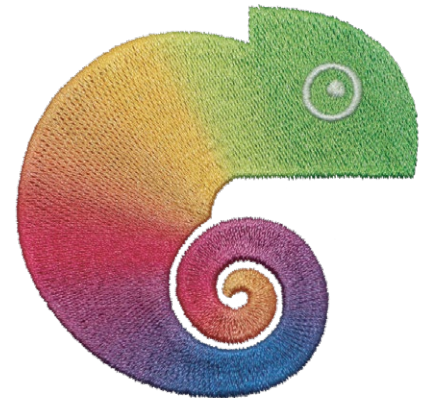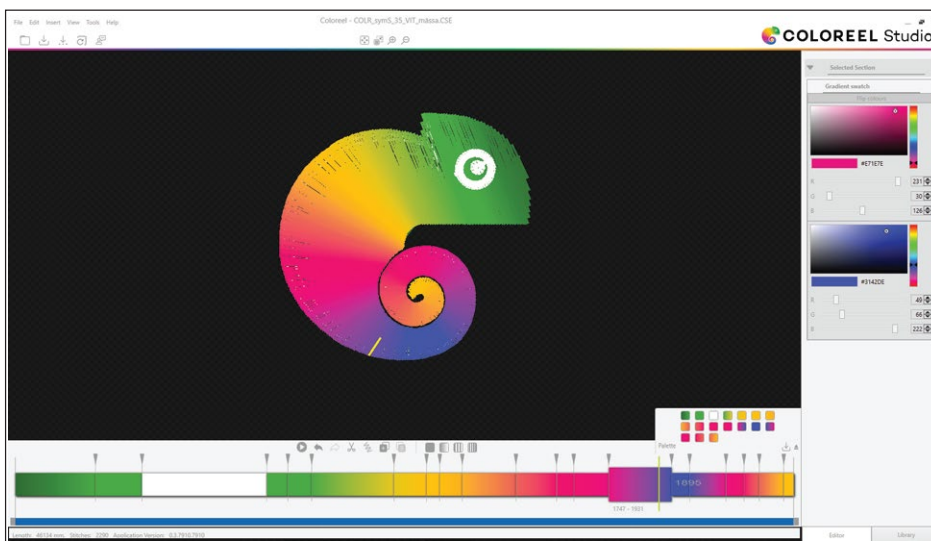| 1	2	3	4	5
The unique Coloreel thread	The Coloring process	The colored Coloreel thread	Embroidery production with any type of embroidery machine	Embroidery with color effects never seen before

How to make Coloreel files

1 Create the Coloreel embroidery design using any digitizing software.

2 Save the design as a DST file.

3 Open the DST file in Coloreel Studio, the embroidery colorization software.

4 Choose your unique solid color, smooth color transition, or create any type of effect imaginable.

5 Input the DST file into the embroidery machine.

6 Input the Coloreel Studio file into the Coloreel unit.

7 Start the embroidery machine.

8 Watch the future of embroidery taking place right in front of your own eyes!

Coloreel Studio

Coloreel Studio is the software tool for colorization of embroidery designs.
This program is the link between digitization software and the Coloreel unit. In Coloreel Studio, add colors and effects to embroidery designs. When finished input to the Coloreel unit over a network or by using a USB Stick, and operate the embroidery machine as normal. The program is made with simplicity in mind. The tools are carefully selected and simple to use. If familiar with any digitization software, this tool will be easy to learn.

Coloreel

is a standalone unit designed
to accommodate and work
in tandom with a single
head embroidery machine.
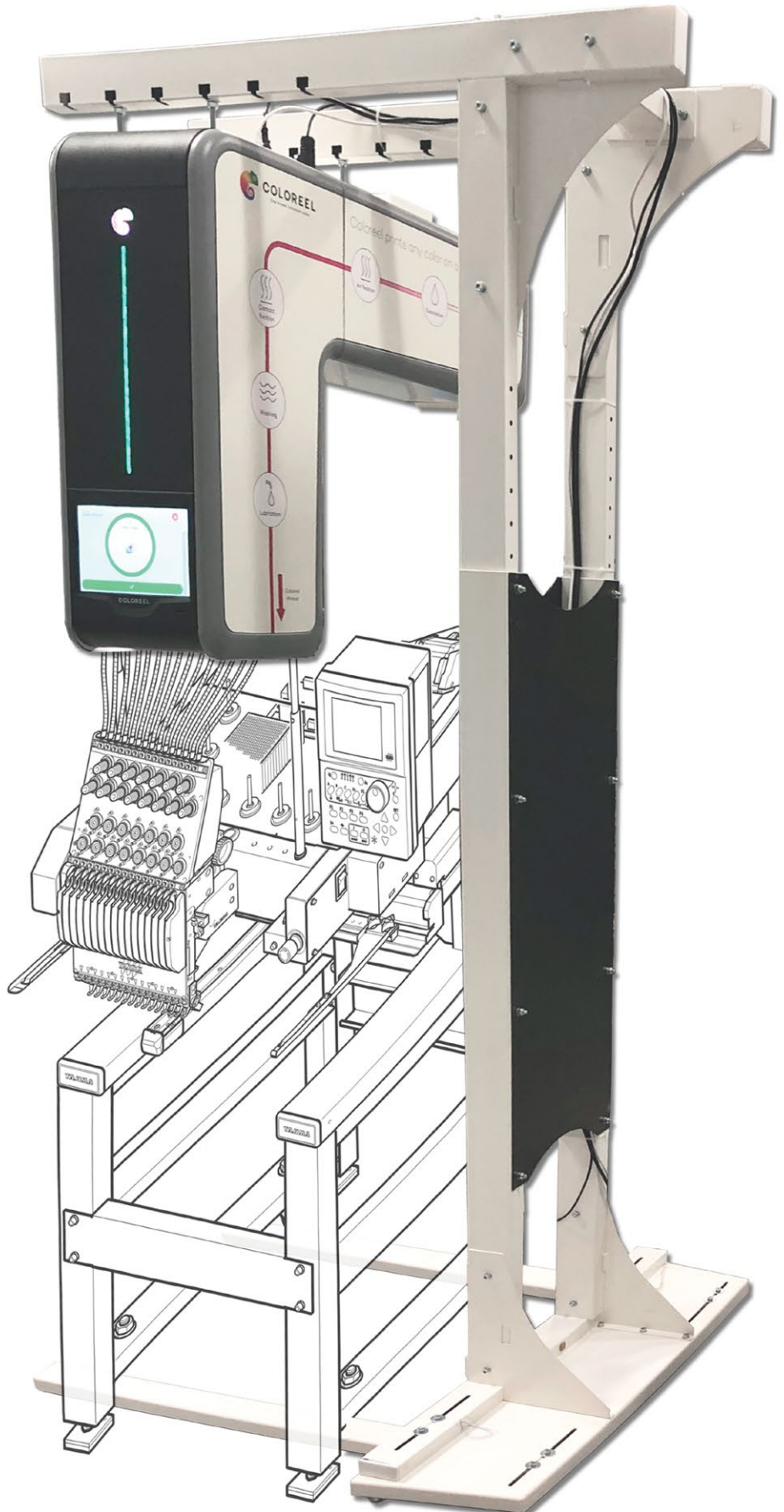
Consumables

Thread cone

Washing fluid & Lubrication

Ink cartridges

Carbon filter

Coloreel Unit Specification

Dimensions and weight

Picture ref.	Millimeters	Inches
A	1260	49.6
B	1034	40.7
C	226	8.9
D	725	28.5
E	801	31.5
F	517	20.5
G	304	12
H	309	12.2

Weight	Kg	Lbs
Coloreel Unit	<55	<121

Package Box, ISPM15 Compliant	1100 x 390 x 975 mm	43 x 15 x 38 inches

Temperatures and performance ranges

Operation temperature	18-28 °C	64-82 °F
Maximum thread coloring speed	160 mm/s	6,3 inch/s

Relative Humidity (RH)	15-95 %

Hardware information

Power supply	AC 100-240V ~ 8.5A 50/60Hz, Max 600w
Screen	10.1 inch Multi touch
Lighting	Front: RGB LED, Bottom: Adjustable White LED warm/cold
Stitch counter	Optical stitch sensor incl. cabling and bracket

Digital information

OS	Linux (Ubuntu core)
File transfer	USB, Ethernet

Use only original Coloreel consumables!

The Coloreel Unit is for indoor use only!

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Coloreel Consumables Specification

Thread

Small thread cone	5 km	3.1 miles
Large Thread cone	10 km	6.2 miles

Thread quality	2 Ply, 40", Polyester Thread
ISO - standards	>=4 for ISO 105-C06, ISO 105-X12, ISO 105-B02
Chemical content test	OEKO-TEX tested

Ink

Small Ink Cartridge	Coloreel Original CMYK 75 ml	Coloreel Original CMYK 2.5 Oz
Large Ink Cartridge	Coloreel Original CMYK 200 ml	Coloreel Original CMYK 6.8 Oz

Storage Temperature	10-30 °C	50-86 °F

Washing fluid

Washing Fluid type	Water based cleaning solution

Lubrication

Lubrication type	Silicon based

Filter

Filter type	Carbon Filter

Included Start package

Thread	5 km thread cone	3.1 miles thread cone
4 x Ink Cartridges	Coloreel Original CMYK 75 ml	Coloreel Original CMYK 2.5 Oz
Washing fluid	1 liter bottle	0.26 gallon bottle
Lubrication	1 liter bottle	0.26 gallon bottle

Carbon filter	Factory installed

Thread Cone   Ink Cartridges   Washing fluid & Lubrication   Carbon Filter

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