



A member of the HOMAG Group



HOMAG Holzbearbeitungssysteme AG

Homagstraße 3-5

72296 SCHOPFLOCH

GERMANY

Tel. +49 7443 13-0

Fax +49 7443 13 23 00

info@homag.de

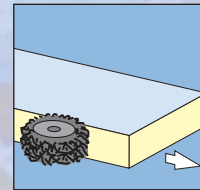
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print line - Simply print your own edges

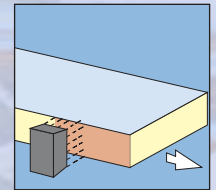


print line - the revolution in edge printing

At last there is a way to put an end to the stress caused by last-minute customer requests and changes. It goes by the name of print line. This revolutionary new technique allows you to print your own furniture edges – just the way you need them. Whether using scans of existing surfaces, designer-created decor edges or your own internally developed designs: The prints look professional, are colour fast and durable.

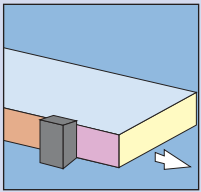


Clean

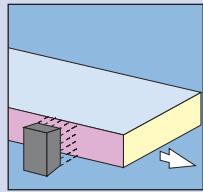


Pre-treat

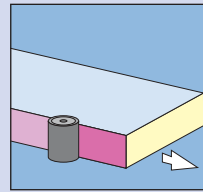




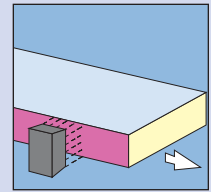
Print



Dry



Lacquer



Dry



The high-tech edge printing machine using four-colour technology

It has never been easier to respond quickly to design trends, or even to make your own innovative design mark – with print line. This new machine concept offers a whole range of benefits – including outstanding flexibility, low costs and minimal production input.

print line opens up unlimited scope for creative edge design



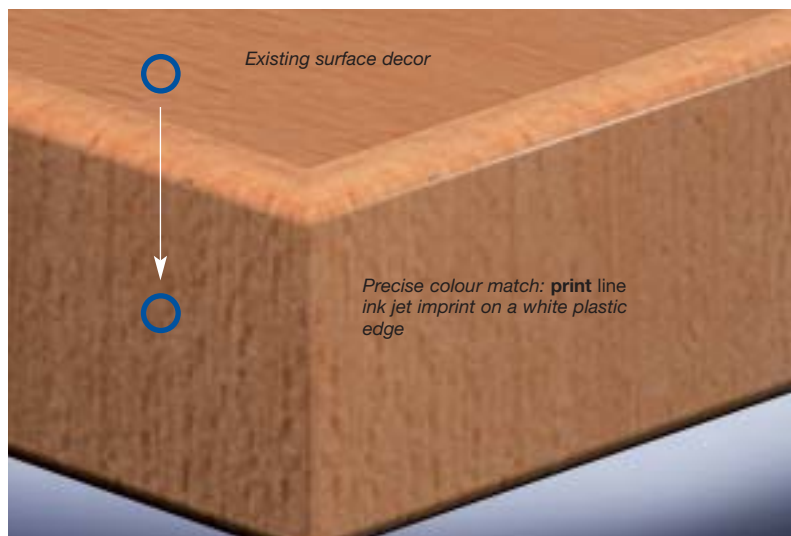


print line's: "nerve centre": The four-colour printing head

All you need to start with is a single white edge. Which allows you to lower stock keeping costs, cut down on production steps and operate a less complex machine outfit. You can respond flexibly and at short notice to last-minute requests – even for small batch sizes, variants or just for demonstrations. All of which adds up to enormous independence.

Stocks of less popular designs gathering dust on the shelf are a thing of the past: You simply produce precisely the decor finish the customer ordered or only those designs you know will shift. Which means less capital tie-up for you as well as lower financial risk. Rapid prototyping will also allow you to implement your own decor designs – at minimal cost and time input. The ideal addition to your batch size 1 production.

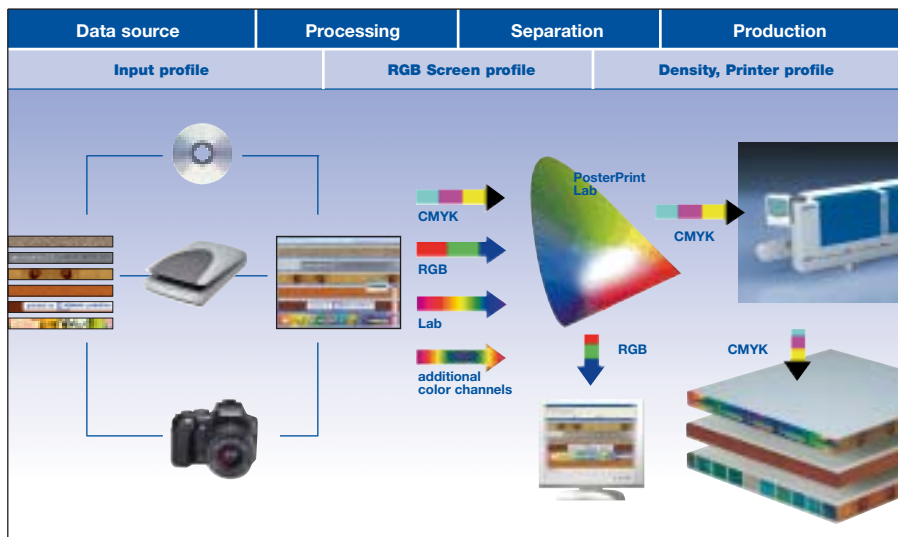
Edges printed with **print** line are characterized by no-compromise quality and extreme durability. By using this world innovation in the field of furniture manufacture, you will be benefiting from a truly revolutionary machine concept. Tested by leading fitted kitchen manufacturers in line with DIN standards. Naturally with the security of HOMAG's extensive expertise and service back-up behind it.



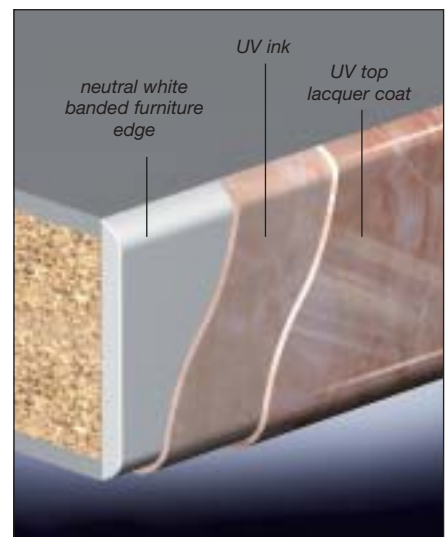
Using **print** line, it is conceivable for existing surface decor finishes to be scanned and reproduced true to the original on white plastic edging by means of ink jet printing

How print line works in detail

print line works according to an integrated system concept. What this means is that all components are precisely intercoordinated. Printed results true to the original are just as much a matter of course as a highly accurate transport system with servomotor and precision measurement. The machine layout used is highly compact with an overall length of just 8 metres.



A continuous production sequence is used from the decor file to the finish printed workpiece



Layered structure of the **print line** technique

Another enormous benefit offered by **print line** is its extreme printing speed, which permits feed rates of up to 25 m/min. The ink jet printer is naturally controlled using state-of-the-art HOMAG network technology. Without any recognizable decor offset. Thanks to high computing performance and storage capacity, throughput is possible with only minimal gaps between workpieces (residual gap of just 150 mm). And last but not least, the system is designed to permit perfect integration into highly automated machine lines. For maximum precision and reliability.

For ink application, the **print line** technique makes use of a special UV inking system in base colours cyan, magenta, yellow and black (CMYK).

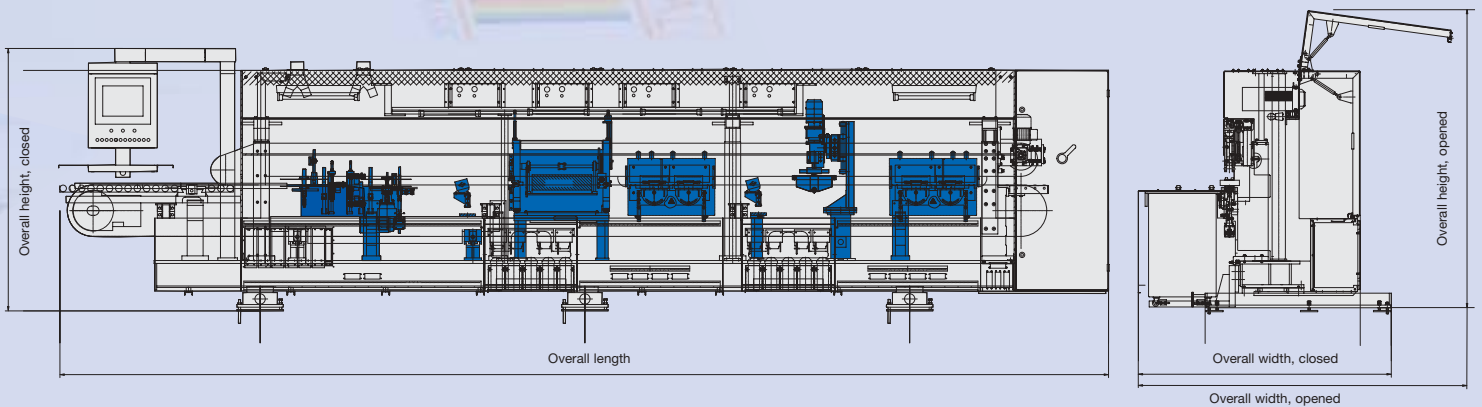
The printing heads have been tried and tested in industrial operation, and create the complete decor finish in a single pass. After UV drying, the printed workpieces are touch-proof and can be handled or stacked straight away.

High resolution for brilliant details: The **print line** printing system achieves a resolution of more than 420 dpi. With a maximum imprint height of 28 mm (optionally 64 mm) workpieces of up to 2400 mm in length can be processed.

print line colour management permits colours and edge decor designs to be reproducibly manufactured on the basis of existing print data.

Quality is paramount: To seal your edge imprints, **print line** uses a transparent high-tech UV lacquer sealant. The result is a silk mat top coat which conforms to the strict requirements of German furniture standards. So **print line** ensures you are ideally equipped for the future.

Specifications



Machine dimensions	
Overall length [mm]	7,900 (311,023")
Overall width, closed [mm]	1,900 (74,803")
Overall width, opened [mm]	2,300 (90,551")
Overall height, closed [mm]	1,900 (74,803")
Overall height, opened [mm]	2,500 (98,425")
Working height [mm]	950 (37,401")

Workpiece measures	
Workpiece width min [mm]	100 (3,973")
Workpiece width max [mm]	2,200 (94,488")
Resetting gap between two different décor designs [mm]	150 (5,905")
Workpiece thickness (with imprint) [mm]	8-28 0,315"-1,102" optional 64 2,520"
Workpiece overhang [mm]	6 to 30 19,685-98,425 ft. p. m.

All-round service on request

HOMAG is right behind you all the way – and that includes your edge printing processes. When it comes to designing your edge décor or coordinating colours with **print** line, our team will be available to assist you. Leading décor designers support **print** line technology. We will advise you on process engineering details and usable materials. We will assume responsibility for maintaining and repairing the printing heads. HOMAG will supply the complete system and help secure your success.

From picture generation and colour management through the supply of suitable edges and inks, ideally coordinated lacquers and the machine itself, HOMAG is with you all the way. Only with this assurance can you be certain of a functioning, reliable system.