

PIT CH SERIES – K VERSION



ROLL TO ROLL PRINTING MACHINE:

PIT CH series K version is a very professional machine with high production output, high quality and high stability, for users who are looking for new markets, far from the hard price competition. The machine will delight you because of its high printing quality and speed.

The machine is designed to have the best price/performance ration in the market due to its quality, precision, productivity and upgrade facilities offered. It's unique structure, of nearly 2 tonnes, its stable control, its simple operation and easy maintenance make of this machine the best choice among other similarly priced products.

It is produced in 3.3 metres, thus, allowing many printers to go into market segments that they could not cover with their machines.

What distinguishes our machine from competition?

1. ***Our arc shape structure:*** printing on an arc shape structure eliminates the possibility of scraping the printheads due to any defect on the material, such as wrinkles. Also, the minimum printing distance can be kept between 1.5 to 2.0 mm. This machine achieves higher precision than parallel printing machines, reducing several times the displacement error of ink droplets.
2. ***Stability in media feeding:*** PIT-CH Series single-roller driving structure has large friction force, big media feeding torque and extremely high feeding precision. This means that when printing a very long image that later has to be seamed, the error is kept below 0.05%, a parameter which can not be achieved with wheel driving structures.
3. ***Solid structure:*** The structure of the machine has been designed to provide high structure strength and low mechanical deformation. This allows that after several years from installation, all the parallels remain

very close to the original standard. Other machines, made with a much more simple structure, will not remain in the same condition even after one year due to bending and noise. Our machine is almost 2 tonne.

4. **Upgrade potential:** Having a machine with the possibility of making upgrades for the printheads means a much more flexible investment. The customer can already start with some business and can upgrade the machine as soon as he is demanding more production. Up to 12 printheads can be located in this version.
5. **Reliability and technical service:** The machine is designed for a continuous trouble free operation. Stocks are ready available for any spare part and can be shipped the same day that the part is ordered. Also, a qualified network of technicians is available to solve your problems anywhere in the world.
6. **Printhead technology:** PIT CH-K range is equipped with Konica-42pl printheads. They have two lines of nozzles array with less than 70 micron of distance. With 4 passes under value input mode one can reach 360x720 dpi.
7. **Temperature profile:** The piezoelectrics ceramics pressure of the printheads can be adjusted from 15 to 35°C, depending on the printhead inner temperature and therefore, provide the same printing quality, independent of the environmental conditions.
8. **Drying conditions:** There is a heater inside the printing roller to meet the heating requirements before printing, during printing and after printing.
9. **Inks:** Highly stable and vivid colour inks that are intended for outdoor exposure of 2 years.
10. **RIP:** Special version of Photoprint which includes many functions that help to obtain the best colour management.

CHARACTERISTICS

K version		PIT-CH-K-0433-4C	PIT-CH-K-0833-4C	PIT-CH-K-1233-4C	PIT-CH-K-0633-6C	PIT-CH-K-1233-6C
Printing speed (sqm/h)	360x540 dpi	24 m ² /h	48 m ² /h	72 m ² /h	24 m ² /h	48 m ² /h
	360x720 dpi	18 m ² /h	36 m ² /h	54 m ² /h	18 m ² /h	36 m ² /h
	540x720 dpi	12 m ² /h	24 m ² /h	36 m ² /h	12 m ² /h	24 m ² /h
Media		Advertising media, PVC, banner and mesh, etc.				
Media width		3.3 m				
Printing width		3.2 m				
Technology		piezoelectric, drop-on-demand.				
Printheads		Konica				
Print resolution		720 dpi				
Ink		CMYK or CMYKLMc				
File format		TIFF, JPG, RTL, BMP, EPS				
Output joggle		FPGA				
RIP		PHOTOPRINT SE PIT special edition				
Conditions		Temperature: 20°C to 28°C; humidity: 40% to 70%				
Dimensions & weight		5150x965x1325(mm); 1800 kg				