

With an excellent track record, all models in the COLOR TOP® 7000 Series are highly reputed for their performance and reliability. COLOR TOP® 7500CDH with enhanced printing speed and quality.

~It is high speed printing with high quality that we have successfully pursued.~

Every model in the COLOR TOP® Series features high quality, high productivity, enhanced energy-saving effect, and improves working-environment with environment-friendliness, not to mention a superiority of its shaftless mechanism. As the most advanced model in the series, the COLOR TOP® 7500CDH excels its predecessors in performance and mechanism, offering two advantages simultaneously increased operational speed and high printing quality. Incorporating many innovative ideas in its tension control, inking, dampening and super-register systems. The 7500CDH provides continuous stable printing at a printing speed of 90,000 copies per hour. What's more, the printing quality derived is kept consistent throughout operation. Evenness of solid density as well as reproducibility of dots are no doubt unmatched.



● Shaftless Drive

Having eliminated the conventional drive connecting shaft, the shaftless drive system is functionally based on motors (Eco-Drive Motors) that are individually installed on all units. High-speed communication control drives a highly responsive motor.

● Super Drive System

Superbly consistent printing quality is maintained over a wide range of low-to-high operational speeds with the aid of a high-precision and, high-efficiency sync control system. The result is a satisfaction of market's needs for energy-saving, high productivity, and working-environment improvement. Harmonic current is successfully suppressed by the appropriate measures. Inertial energy that is produced through deceleration is regenerated and returned to the power supply side.

● Eco-Drive Motor (EDM)

Incorporating an exceptionally powerful permanent magnet, a high-efficiency Eco-Drive Motor has not a few advantages, including lightweight and compact construction, markedly reduced thermal loss, low noise level, high responsiveness, excellent acceleration, and decreased power consumption.

● Energy Saving

For the main drive motor we used a highly efficient Eco-Drive motor (EDM) that has a very powerful permanent magnet. Vastly reduced gears, clutches, and bearings improve transmission efficiency, and regenerative braking helps reduce electric power consumption.

● High Print Quality

Outstanding precision of color registration is realized through the SUPER REGISTER DEVICE® (SRD), automatic register control system and Super Drive System with a resolution of 7μm. Each section drag roller also has an independent motor, enabling to execute minute adjustments for ideal tension control.

● Reduction in Paper Waste

During web threading operation, it is possible to run only the printing unit being threaded and also during plate changing, the printing unit can run independently without running the web, thus reducing paper waste.

● Flexible Press Layout

Units can be freely installed according to the layout of the printing hall since connection between their main shafts is unnecessary. Time of period will be shorter than ever before when additional installation is required.

● Improvement in Work Environment

Reduction of gears allows to use smaller motors, thereby heat evolution from motors becomes less, and as a result, use more silent and smaller cooling fans.

● Enhancement of Operator Efficiency

Unit coupling selection can be done by push button operation, and plate and blanket changing can be done independently at each printing couple, thereby enabling operations at various locations at the same time thus reducing makeready operations. As an overload safety measure, when the torque goes over the preset value, the motor immediately stops, and after eliminating the cause, operation can be easily restarted by push button operation. Such prior operations as resetting the overload clutch and exchanging safety pins are no longer necessary, and further, the motor overload torque can be freely set.

● Easy Maintenance

Maintenance time and costs are reduced through reduction in mechanical parts for the drive systems and through use of long-lasting electrical parts.

■ Main Specifications

Printing Speed	Max. 90,000 cph
Web Paper Width	Max. 1,626 mm (64")
Web Paper Diameter	Max. 1,270 mm (50")
Weight of Paper	40 - 60 g/ m ²
Cut-off Length	546 mm (21.5"), 560mm (22.05"), 578mm (22.75") Other Sizes Available
Inking System	Digital Ink Pump (DIP)/ Open Fountain
Dampening Device	Spray Bar
Drive System	Shaftless Drive

The contents and specifications described in this catalog are subject to change or modification without previous notice because of future improvement.

Some items in this catalog include optional items.

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