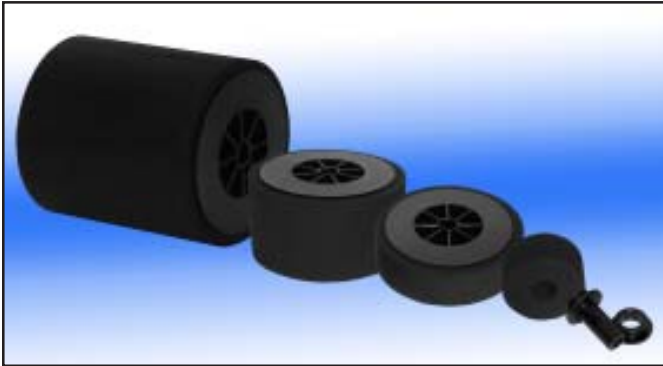


Type MT Ink Rolls



Type MT Ink Rolls Shown: HPNP, 1", 2" & 4" Rolls

In an effort to further simplify applications requiring the printing of code data on non-porous materials, Universal now has a proprietary new ink roll material. Our **Type MT** ink rolls, which are **disposable** by design, produce very dense black marks which dry in 4-6 seconds at 75 degree F. ambient temperatures on most non-porous surfaces. These disposable rolls will yield up to 500,000 impressions in average usage. The roll is simply installed on the coder and replaced when the ink capacity is depleted. These rolls are impregnated with fast drying solvent based inks and are designed for use only with our line of Non-Porous Coders.

The Type MT Ink Rolls are currently available in **Black**.

The Type MT ink rolls were initially developed for use on our Non-Porous Hand Printer which does not have the option of using 4 oz. Reservoir Ink Cartridges for automatic re-inking. The material performance was so exceptional that additional sizes were developed for all of our fixed mount Non-Porous Coders.

SPECIAL APPLICATION ADVANTAGES

Extensive field testing with these new high capacity disposable ink rolls has yielded some valuable information for existing users of our Non-Porous Coders. Several significant benefits have been identified as follows:

Elimination of Ink Roll Oversaturation Problems: When used according to operating instructions, Universal's 4 oz. disposable Reservoir Ink Cartridges are an extremely effective method of automatically re-inking our XF Neoprene Ink Rolls. In installations where maintenance personnel fail to follow operating guidelines, a potential exists for Ink Roll oversaturation which in severe cases can cause leakage from the inking system and possible damage to the anilox roll bearings. Since the Type MT Ink rolls are not used in conjunction with the Reservoir Ink Cartridges, the potential for this problem is completely eliminated.

2" & 4" Non-Porous Coder Applications: Since their introduction, all of our 2" & 4" print width Non-Porous Coders have had print speed related limitations. The speed limitation is related only to the ability of the 4 oz. Reservoir Ink Cartridge to keep up with the ink delivery requirements of these larger capacity coders. Beyond a relatively low operating speed range, the 4 oz. cartridges would produce noticeable color density variation on multi-line codes or wide logos. Since the Type MT rolls are not re-inked externally, color density variation problems are no longer an issue. The MT Ink Rolls provide a very uniform color density across the full print width capacity of the coder.

Coder Mounting Configurations: Due to the requirement of maintaining the proper operating attitude of the 4 oz. Reservoir Ink Cartridges when installed in the Non-Porous Coders, the bottle ports on our Inking System Covers had to be machined specifically for the intended mounting configuration. The bottle ports for Top, Side and Bottom mounting configurations all had to be machined differently for the 4 oz. Cartridges to work properly. Since the 4 oz. Reservoir Ink Cartridges are not used with the Type MT ink rolls, there is no longer any restriction on the mounting attitude of the coder or the configuration of the inking system cover when these rolls are used. In other words, a side mount coder can be used in a top printing application when the Type MT Ink rolls are used.

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