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## **INO Dryer HA**

### **Drying oven**

Tunnel oven with transport belt INO Dryer HA is a universal device for ink drying and thermofixation after printing on various materials (PVC, foils, auto-adhesive papers, cardboard, transfer print foils, textile, T-shirts, etc.).

Tunnel oven can consist of various combinations of following units:

#### **1. Drying unit with hot air**

**Air circulation within the drying unit is assured, with regard to ink type and printed material characteristics, by:**

##### **A. Air circulation by air blown from above and suction beneath the reticular transport belt**

This mode is appropriate for the drying of low-vapor inks, for heavier-than-air particles, for light printed materials (paper, foils, etc.), which need vacuum to be firmly fixed to the transport belt because of air flow importance.

The tunnel oven is equipped with an automatic mechanism to prevent flow rate decrease when transport is loaded with printed material. In this case drying efficiency is not decreased.

##### **B. Air circulation by air blown from above and suction partially from above, partially from beneath**

**This mode of drying assures fixation of printed material onto the reticular transport belt, water vapor suction is assured above, by the shortest route.**

#### **Technical characteristics – drying unit**

Drying unit length	2000 mm
Air temperature	Adjustable up to 180°C within individual drying units
Individual unit power connection	Approx. 20 kW (heaters 18 kW, fan 1,5 kW)



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## 2. Cooling unit with air at ambient temperature

Some printed materials need to be cooled before grabbing or stacking.

The unit consists of two fans: one's function is to suck ambient air and blow it onto printable material through the air-jets, the other's functions is to suck air from the cooling unit and blow it outside the premises in form of exhaust.

### Technical characteristics – cooling unit

Cooling unit length	1500 mm
Intermediate section length	500 mm
Power connection	Approx. 3 kW [2 x fan 1,5 kW]

### Technical characteristics – overall

	INO Dryer HA_ 500	INO Dryer HA_ 700
Transport belt width	550 mm	750 mm
Loading section length	500	700
Off-loading section length	500	700
Transport belt height	940 ±25 mm	940 ±25 mm
Transport belt speed	1,5 - 10 m/min	1,5 - 10 m/min

### Versions:

	INO Dryer HA1 500	INO Dryer HA1 700
	1x 2 m hot air drying	1x 2 m hot air drying
	INO Dryer HA2 500	INO Dryer HA2 700
	1x 2 m hot air drying 1x 1,5 cooling	1x 2 m hot air drying 1x 1,5 cooling
	INO Dryer HA3 500	INO Dryer HA3 700
	2x 2 m hot air drying	2x 2 m hot air drying
	INO Dryer HA4 500	INO Dryer HA4 700
	2x 2 m hot air drying 1x 1,5 cooling	2x 2 m hot air drying 1x 1,5 cooling