

EVOLUTION **TECH**

IRONTECH



**IRONTECH ROTARY PRESS FOR IRONING,
WITH PATENTED HEATING SYSTEM OF THE ANTI-CREASE BELT**

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EVOLUTION TECH IS PROUD TO PRESENT A NEW SYSTEM FOR IRONING LEATHER “INDUSTRY 4.0”



IRONTech ROTARY PRESS FOR IRONING, WITH PATENTED HEATING SYSTEM OF THE ANTI-CREASE BELT



Starting from the concept that hydraulic presses, due to extended time and low temperature, make the hide remain soft, to the detriment however of the productivity, we thought of manufacturing an innovative rotary press that could ensure the same result, **maintaining the same typical productivity of rotary presses.**



The rotary press for ironing and printing uses **the “Thermotech” revolutionary patented heating system of the anti-crease belt.** In fact, **our machines begin heating the hide from the first instant it enters the machine,** through special patented anti-crease belts, which heat approximately one metre of the hide above and/or below at the desired temperature (max. 110°).



Once the hide has been heated by the belts it comes into contact with the cylinder, but thanks to our system, the same effect can be achieved at lower temperatures, **maintaining the softness and velvety touch of the hide.**



GENERAL FEATURES



- Possibility to work the hides by pressure (traditional method) for polishing and ironing.
- Ironing by long contact (wound) with or without pressure up to 30 cm.
- Possibility to work with preheating on the cylinder with or without pressure.
- Automatic and programmable timer for heating the rollers.
- Timer for cooling and subsequent automatically switching off the machine.
- Working pressure up to 160 kg/cm linear.
- Possibility to view the machine output side on the monitor with micro-cameras.

INNOVATIVE FEATURES



- Possibility to preheat the hides up to 110 degrees, thanks to our patented heated anti-crease belt, equally on both sides with separate temperature adjustment to that of the ironing/printing cylinder.
- Easy and quick belt change due to disassembly of the side structure, saving 30% of the time compared to traditional machines.
- Resistor replacement of the heating unit without removing the oil, enabling 60%-time saving compared to traditional machines.
- Greater speed in bringing the cylinder up to temperature through the variation of the oil flow speed.
- Greater speed in reaching the desired pressure with the speed change of the pressure pump.
- Less consumption in the heating and maintenance phase (through its own logic, the machine regulates the speed and flow capacity of the diathermic oil, combining it with the activation/deactivation of the 4 resistor batteries).
- Load adjustment between the two anti-crease belt that remains constant even when the thickness varies by a touch-screen.

OPTIONAL



- Roller cooling through a heat exchanger.
- Hide detacher for each operator roller (recommended if the machine is combined with a stacker).
- Motorised bristle brush to clean the felt.
- Metal detector.
- Measurer with printer to install on the hide input belt.
- Stamping device to install on output belt.
- Transfer paper system.
- Remote assistance kit.

THERMOTECH

Patented system

THERMOTECH

Patented system

| IRONTECH | 15 | 18 | 22 | 26 | 30 | 32 | 34 |
|-------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Dimensions LxPxH [mm] | 3450x2200 x1700 | 3750x2200 x1700 | 4150x2200 x1700 | 4550x2200 x1700 | 4950x2200 x1700 | 5150x2200 x1700 | 5350x2200 x1700 |
| Maximum power absorbed [kW] | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Absorbed power at speed [kW] | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Speed [m/min.] | 3 ÷ 25 | 3 ÷ 25 | 3 ÷ 25 | 3 ÷ 25 | 3 ÷ 25 | 3 ÷ 25 | 3 ÷ 25 |
| Pressure [kg/cm] | 0 ÷ 160 | 0 ÷ 160 | 0 ÷ 160 | 0 ÷ 160 | 0 ÷ 160 | 0 ÷ 160 | 0 ÷ 160 |
| Maximum cylinder temperature [°C] | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Maximum preheating temperature [°C] | 110 | 110 | 110 | 110 | 110 | 110 | 110 |

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