YURI ROLL

technical innovation

Test Development Room All possibilities start here.

Our expert staff with abundant know-how and six purpose-specific test machines provide consistent help from product trials to setting of processing conditions.

Inductive heating type High-temperature, high-speed calender (Laminator)

Compatible with wide range of calendering (thickness adjustment, and lustering) and thermal lamination (sticking materials together) of various base materials such as paper, non-woven fabric, film, and metal foil. The maximum processing temperature of 400°C also supports special materials such as fluororesin and polyimide.

The maximum machine speed is 100m/min., so prototypes can be sampled at a high speed. There are five unwinding (feeding) locations and three winding locations; therefore, thermal lamination of up to five layers can be performed continuously.

Machine model type	3-roll type: Upper level heating rubber roll Ø 200mm Middle and bottom level steel roll Ø 300mm
Machine working width	500mm (Heat effective length 350mm)
Machine speed	0.5 to 100m/min.
Pressure condition	10 to 200kN (Linear pressure 20 to 400N/mm)
Temperature condition	Upper level heat rubber roll 100 to 180°C Middle and bottom level steel roll 280 to 400°C
Unwinding/winding	Unwinding 5 locations, winding 3 locations

Electric heating type Embossing machine

Can be used for embossed calendering, lamination, and mangling of various base materials such as paper, fabric, non-woven fabric, film, and metal. Prototypes can be made with more than 200 roll combinations.
Since there are two test machines with identical specifications, the roll replacing time can be reduced, and also tests can be performed efficiently with efficient test with two pattern prototypes.

Machine model type	Two-roll type: Upper level embossing roll Ø 100 to 150mm Lower level (paper, rubber, steel, etc.) Ø 150mm to 200mm
Machine working width	300mm
Machine speed	4 to 40m/min.
Pressure condition	10 to 50kN (Linear pressure 33 to 167N/mm)
Temperature condition	200°C at maximum
Unwinding/winding	Unwinding one location, winding one location

High precision/Super pressure Hot roll press machine

Pressure rolling and compression with a super-high pressure of up to 1000kN are possible. Suitable for pressure rolling, compressing, and adjusting the thickness of metal mesh and electrodes for batteries and capacitors, etc.

Machine model type	Two-roll type: Upper/lower level steel roll Ø400mm
Machine working width	550mm
Machine speed	1 to 100m/min.
Pressure condition	1000kN at maximum (linear pressure 1818N/mm)
Temperature condition	Upper and lower steel roll 200°C at maximum
Unwinding/winding	Unwinding one location, winding one location

Please contact the YURI ROLL Sales Dept. for detailed information and to reserve tests.

No.1 Share in Japan
- Embossing Roll Device
轧花机国内市场占有率第一

Company Overview　公司简介

Name 公司名稱	YURI ROLL Co., Ltd. 由利压花辊股份有限公司
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Founded 创业	Feb. 1, 1909 明治 42 年（1909 年）2 月 1 日
Established 创设	Jan. 7, 1955 昭和 30 年（1955 年）1 月 7 日
Capital 资本额	100 million yen 1 亿円
CEO 总经理	Osamu Yuri 由利修

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