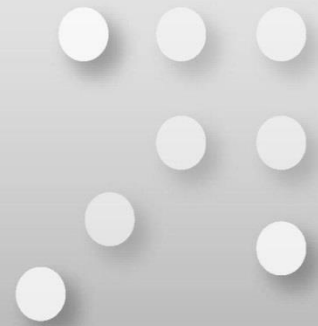


AUTO CUT LAMINATOR

Mach630NP

Hakuto Co., Ltd.
Third Sales Department
Electronic Equipment Division



CONTENT

* Layout

* Strength

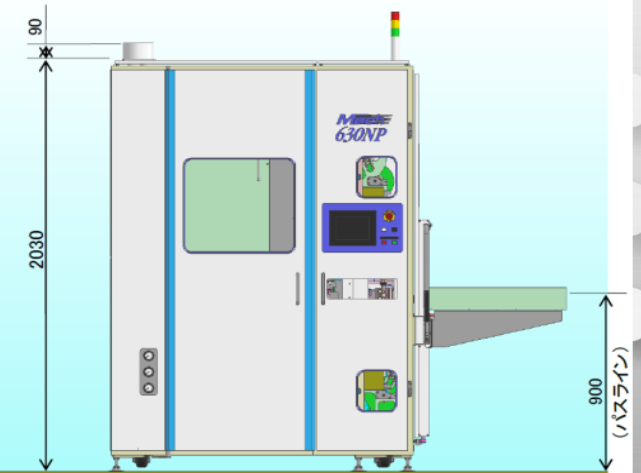
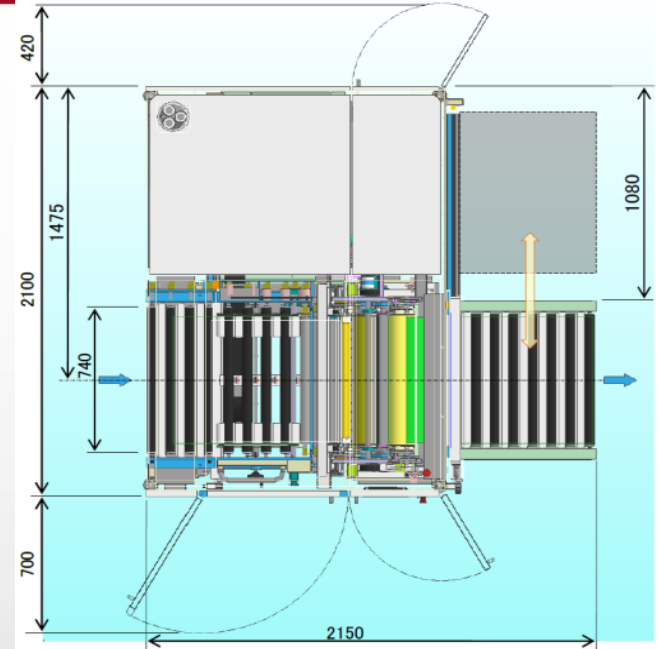
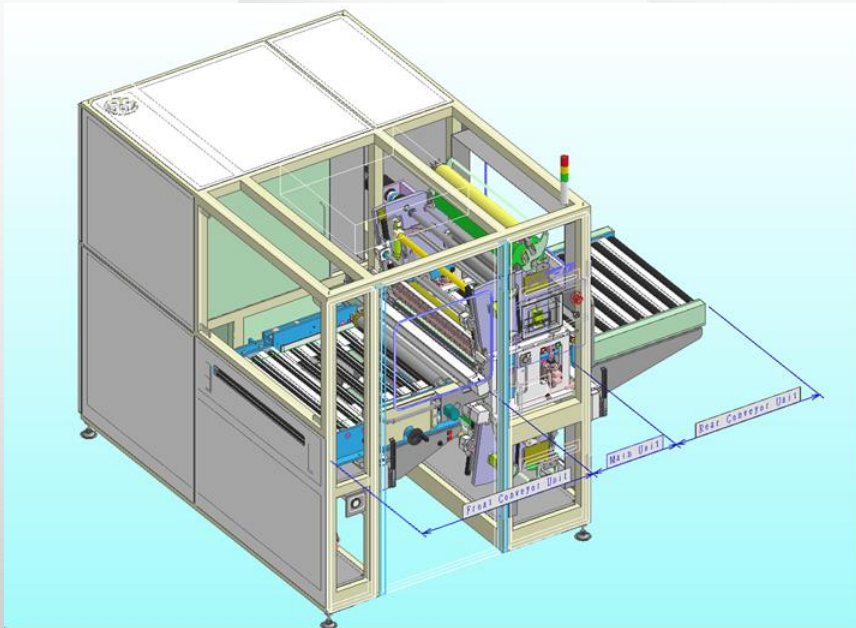
* Specification





Lay out

SIZE: W2150 X D2100 X H2120
Weight: Around 1.5 ton





Strength①

Better pressure power & uniformity

Mach630NP Laminate Roll Unit

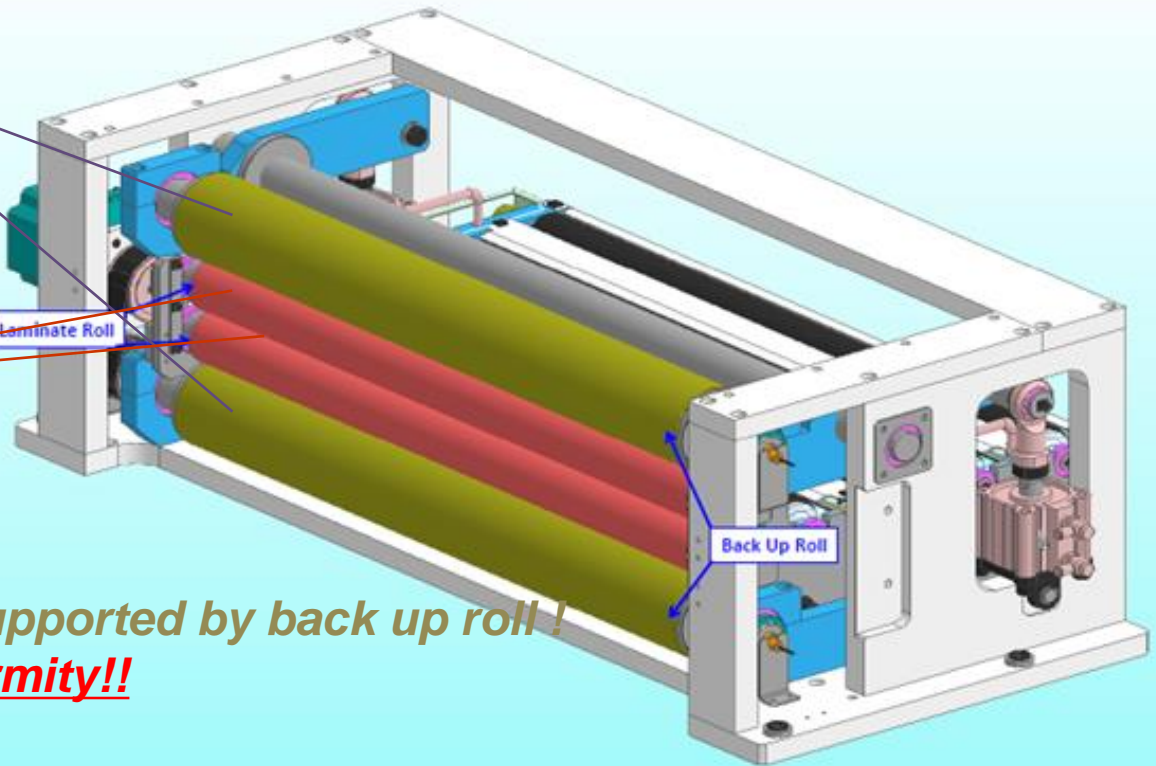
Back up roll with heater

Lamination roll

Laminate Roll

Back Up Roll

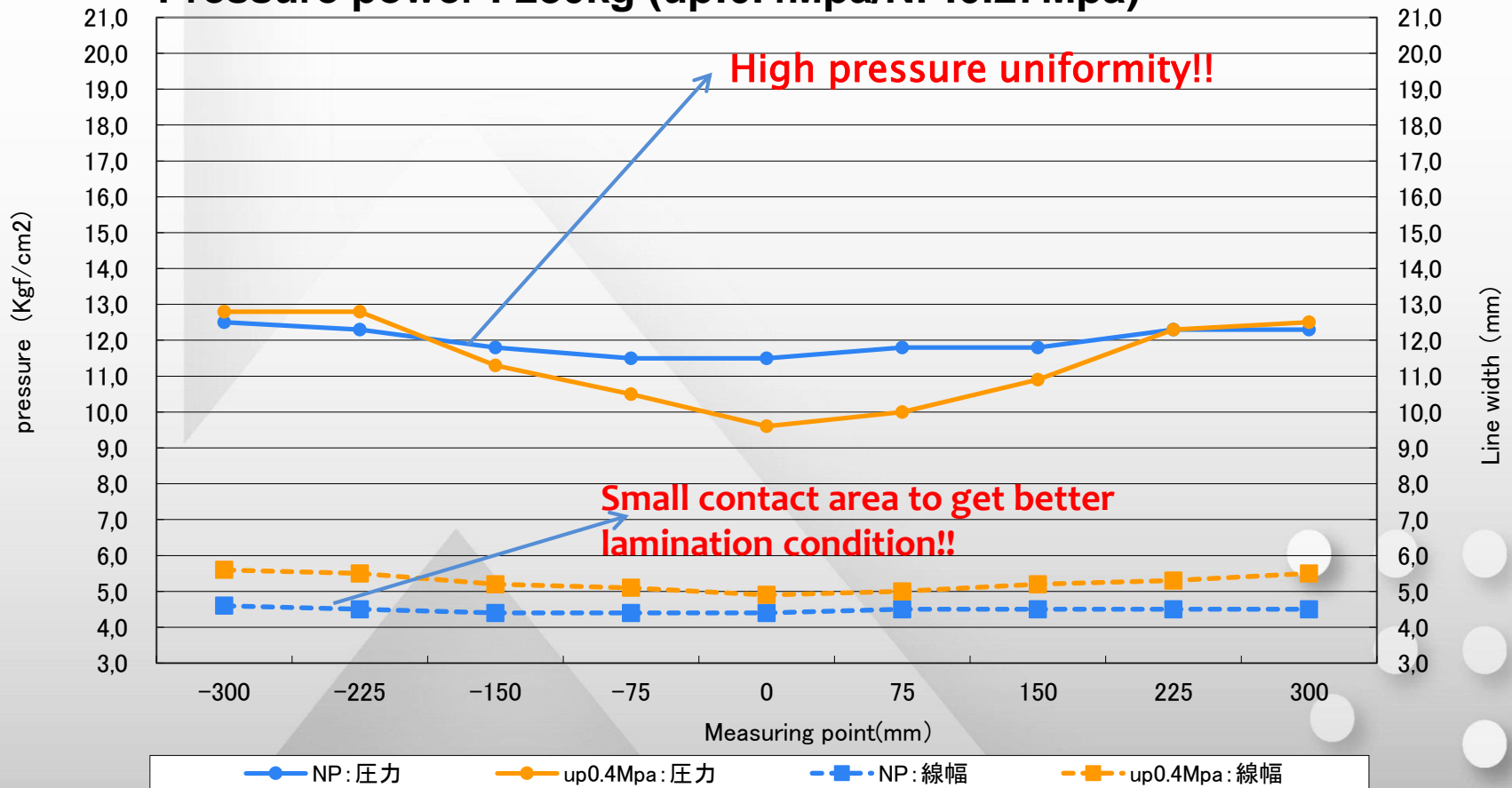
*Lamination roll was fully supported by back up roll !
Get **more pressure & uniformity!!***



Strong point ①

Better pressure power & uniformity

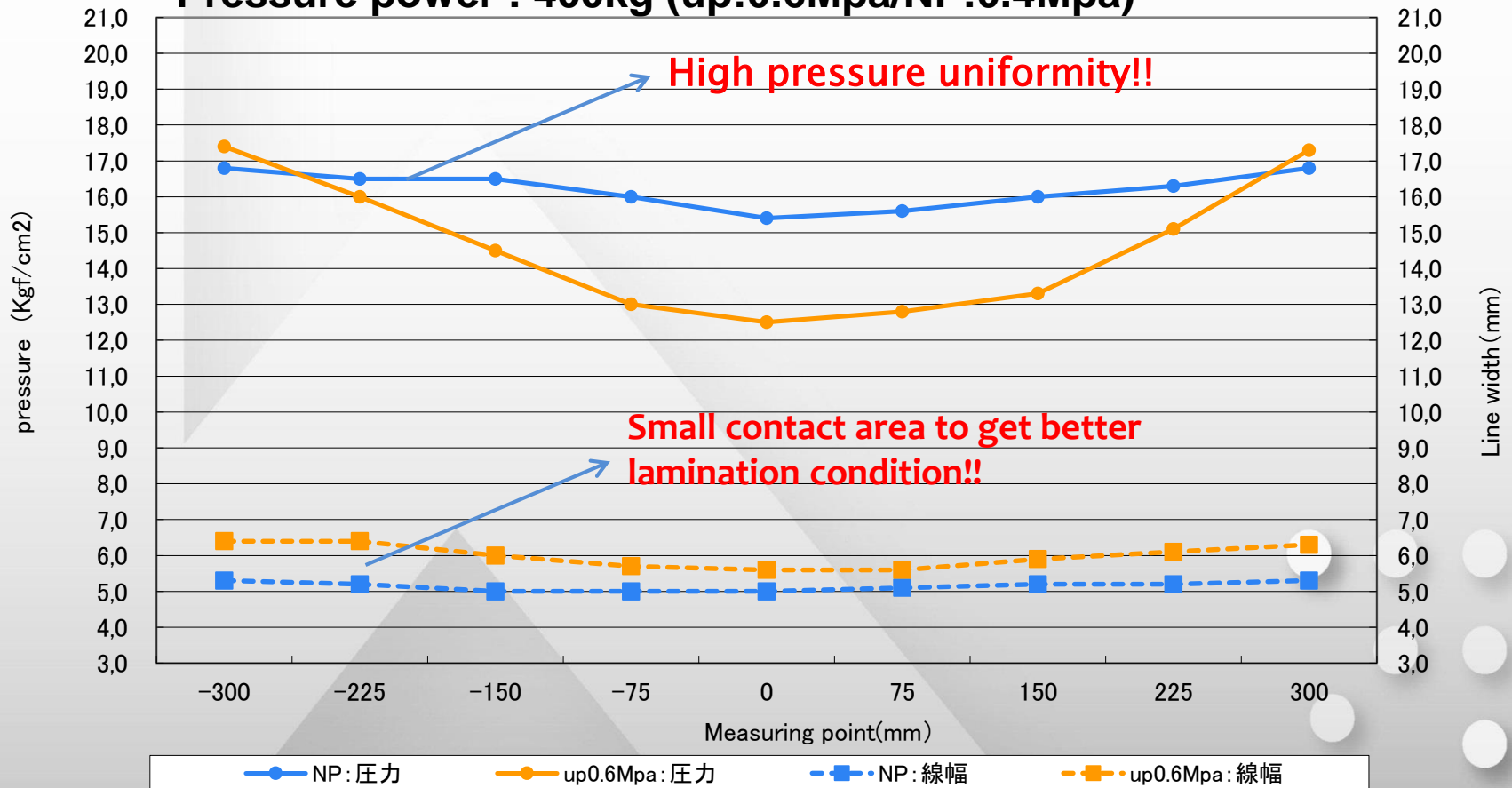
Pressure power : 280kg (up:0.4Mpa/NP:0.27Mpa)



Strong point ①

Better pressure power & uniformity

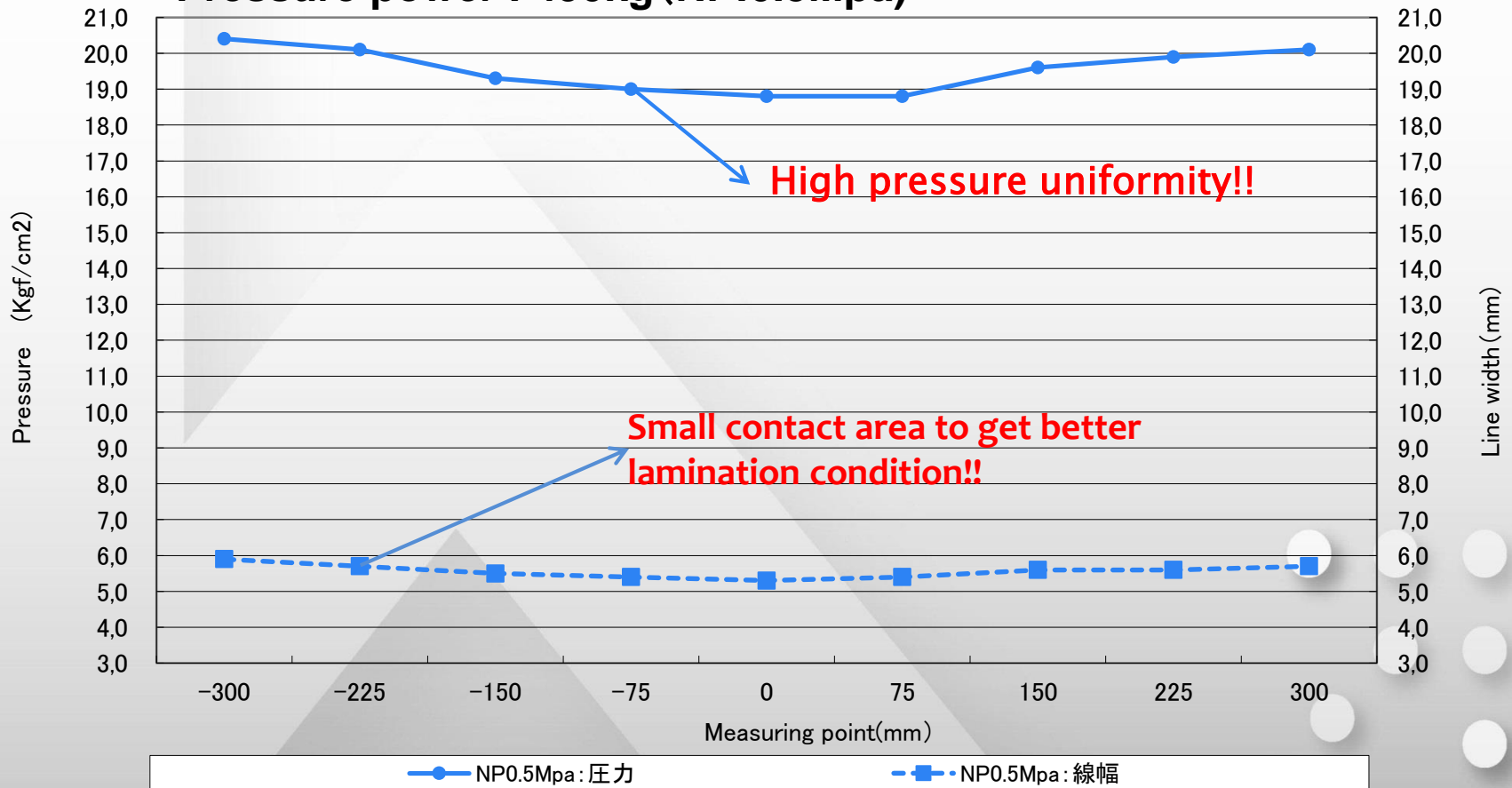
Pressure power : 400kg (up:0.6Mpa/NP:0.4Mpa)



Strong point ①

Better pressure power & uniformity

Pressure power : 490kg (NP:0.5Mpa)

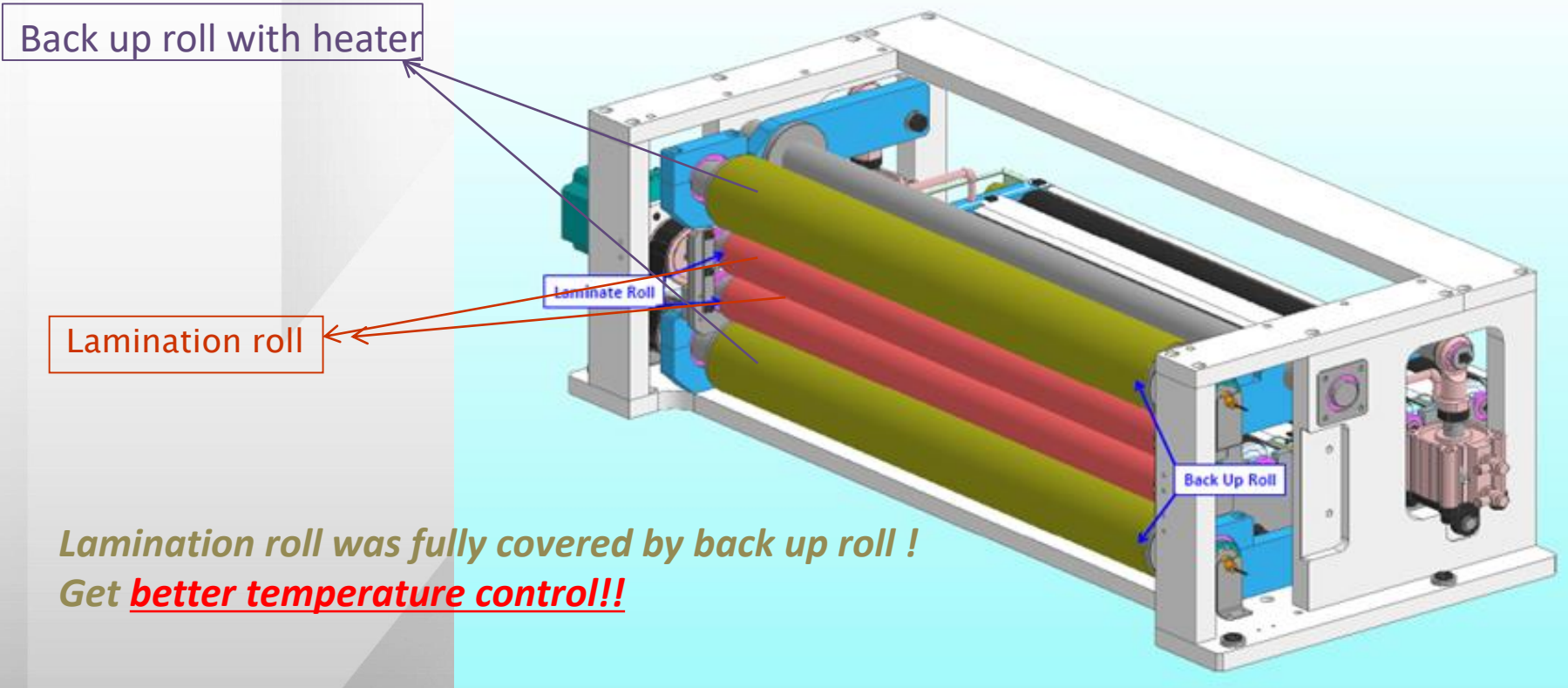




Strong point ②

Better temperature control

Mach630NP Laminate Roll Unit

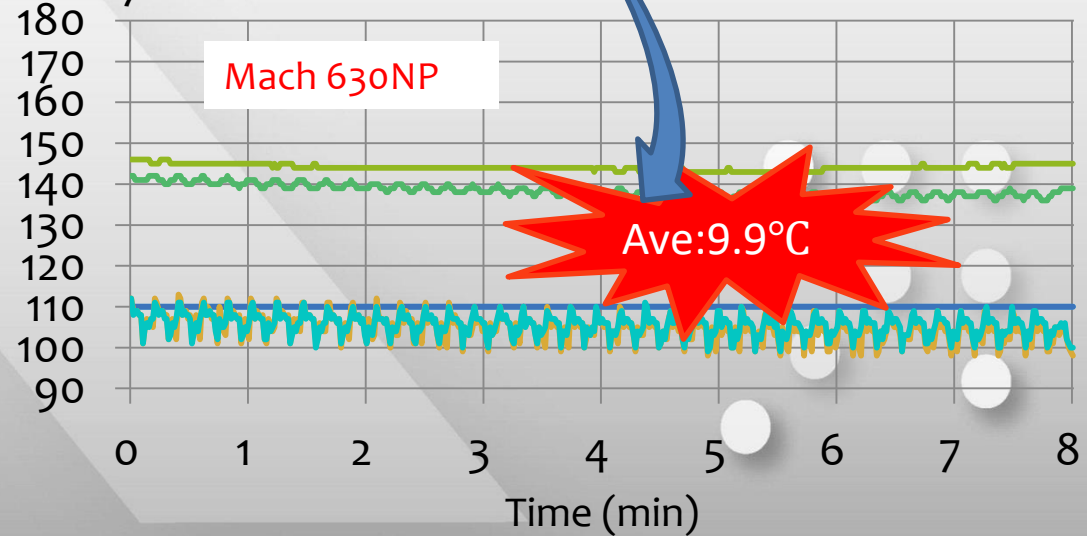
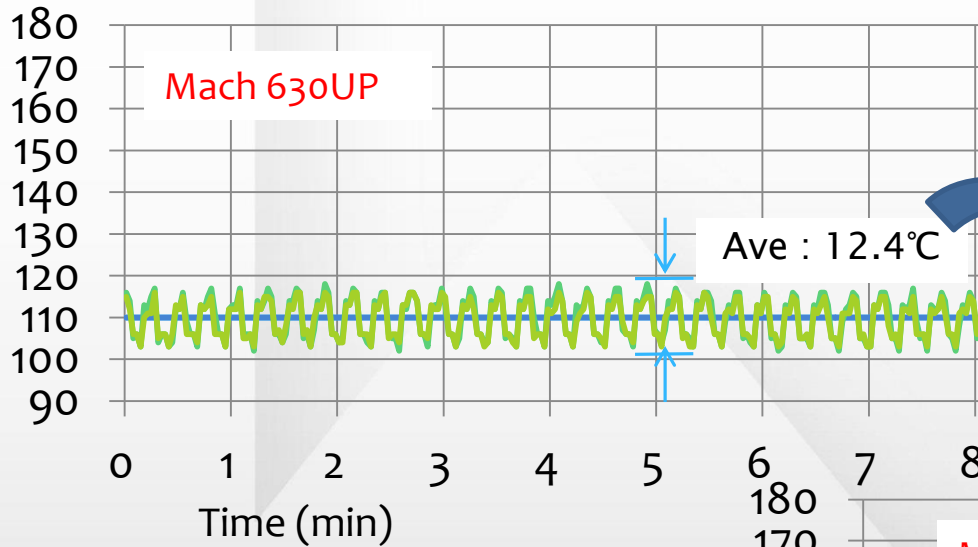


*Lamination roll was fully covered by back up roll !
Get **better temperature control!!***



Strong point ②

Better temperature control





Strong point ③

Better Front & Rear Space Accuracy

Mach630NP

count	Front	Rear
1	0.1	0.0
2	0.4	-0.2
3	0.3	-0.1
4	0.1	-0.3
5	0.3	-0.3
6	0.4	-0.3
7	0.0	-0.5
8	0.3	-0.3
9	0.1	-0.4
10	0.3	-0.4

max	0.4	0.0
min	0.0	-0.5
max-min	0.4	0.5
3σ	0.43	0.44

Mach630up

count	Front	Rear
1	0.1	0.0
2	-0.4	0.4
3	-0.5	0.1
4	-0.1	0.4
5	-0.2	0.3
6	-0.6	0.1
7	0.0	0.5
8	0.1	-0.1
9	-0.4	0.4
10	-0.4	0.4

max	0.1	0.5
min	-0.6	-0.1
max-min	0.7	0.6
3σ	0.76	0.62

Condition : Conveyor Speed 3m/min

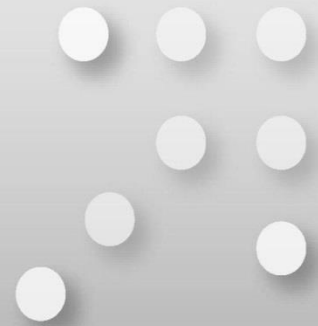
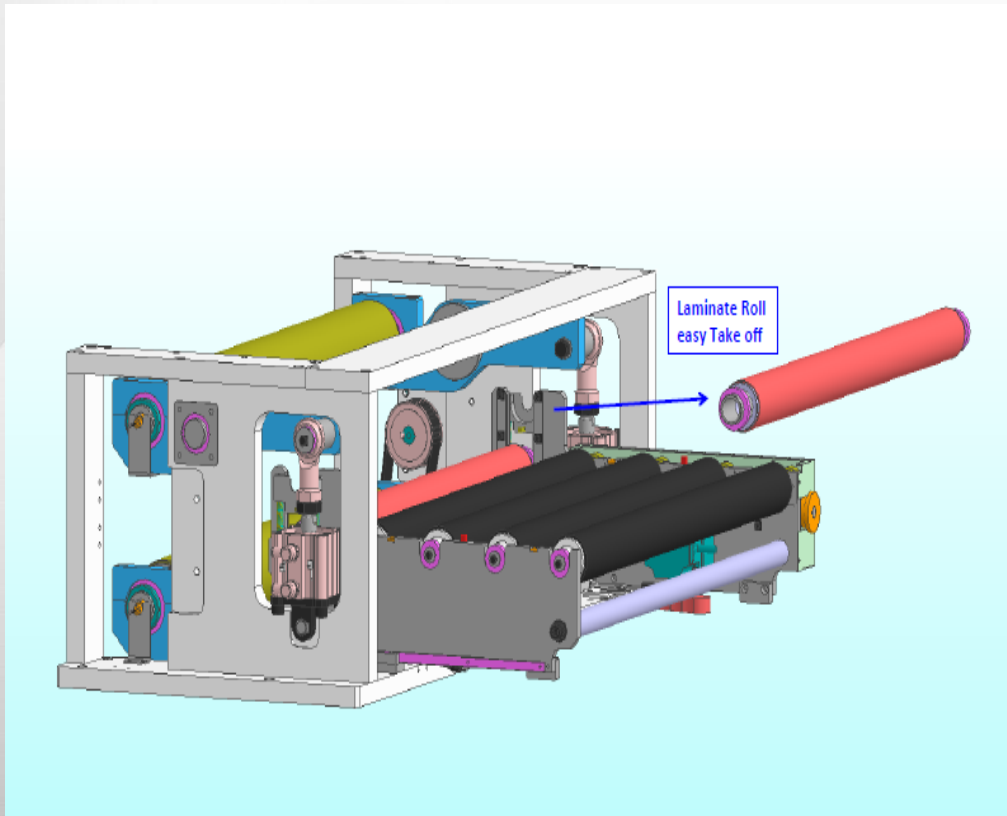
Not guaranteed accuracy!

(mm)

Strong point ④

Easy Maintenance

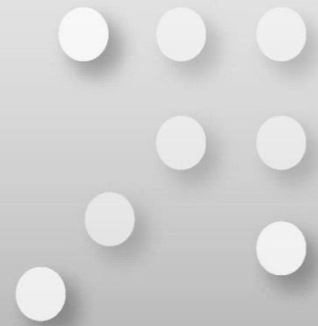
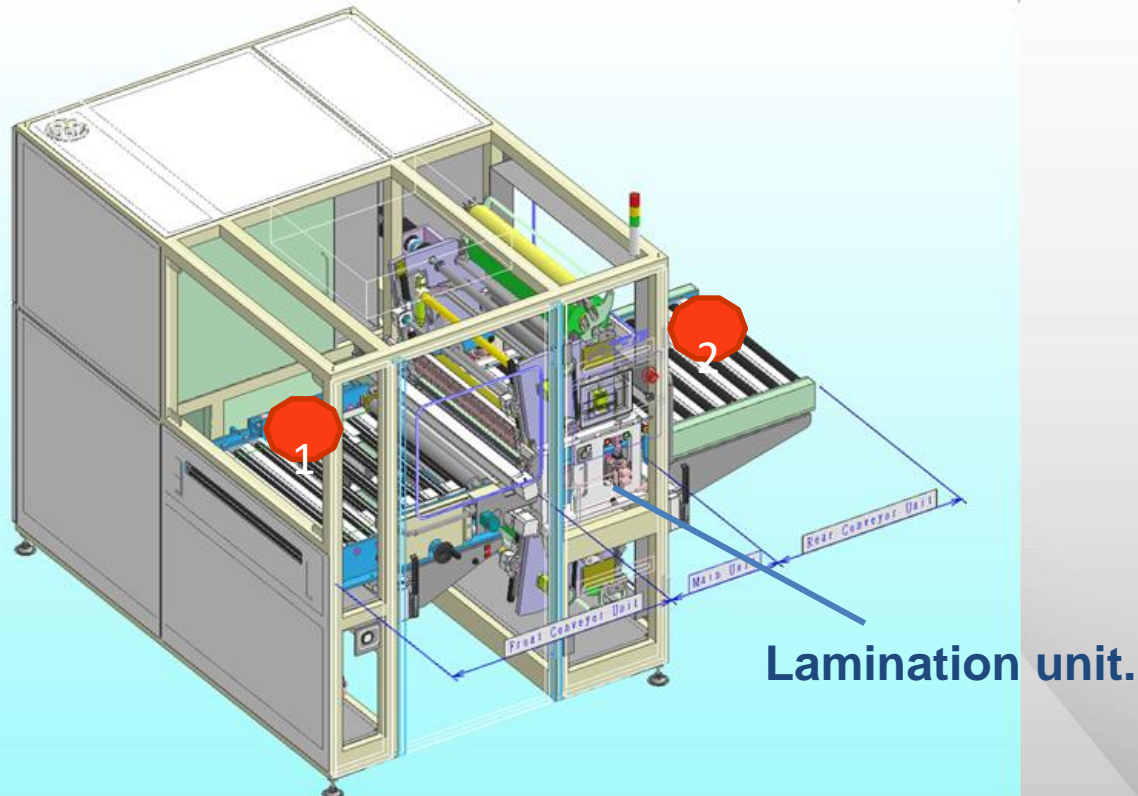
- Lamination roll can be replaced in seconds
→ **Down time can be minimized!!**
- Variable rolls available
→ **Respond flexible for panel type changing!!**



Strong point ④

Easy Maintenance

- Maintenance work at ① ② area
→ ***Motionless lamination unit reduce mechanical loss!!***

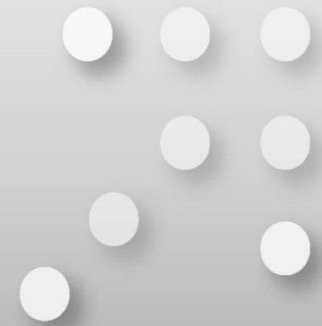




Specification:

Specification:

Panel size	Min : 250W × 250L Max : 640W × 640L (mm)
Thickness	0.1 ~ 3.0 mm (Core=0.04~2.0mm and ~6.0mm with Option)
Conveyor speed	1~5.0m/min
DFR Width	250~630mm
Film outside diameter	With DF unit: MAX ϕ 200mm (It is common use with Mach630up.) Without DF unit: Max ϕ 280mm
Core inside diameter	ϕ 3 inch (6 inch is option.)
Resist thickness	10~120 μ m (Actual result)





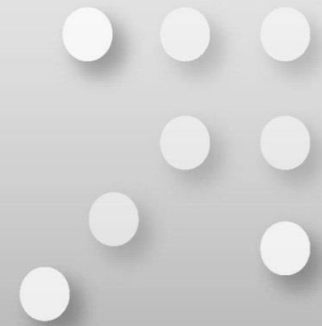
Utility and Machine dimension

Utility:

Power	3 phase, 200V/220V, 50/60Hz, 10kW Use baraker of 50A
Pneumatic Supply	0.5 MPa, 100 L/min, Rc1 /4
Exhaust	φ150 mm exhaust duct, 9.5 m ³ /min

Machine dimension:

Size	W2150 X D2100 X H2120 (not including maintenance area)
Weight	Around 1.5 ton
Pass line	900mm



A horizontal red arrow pointing to the right, starting from the Hakuto logo and extending across the top of the slide.

Thank you for your attention!!

