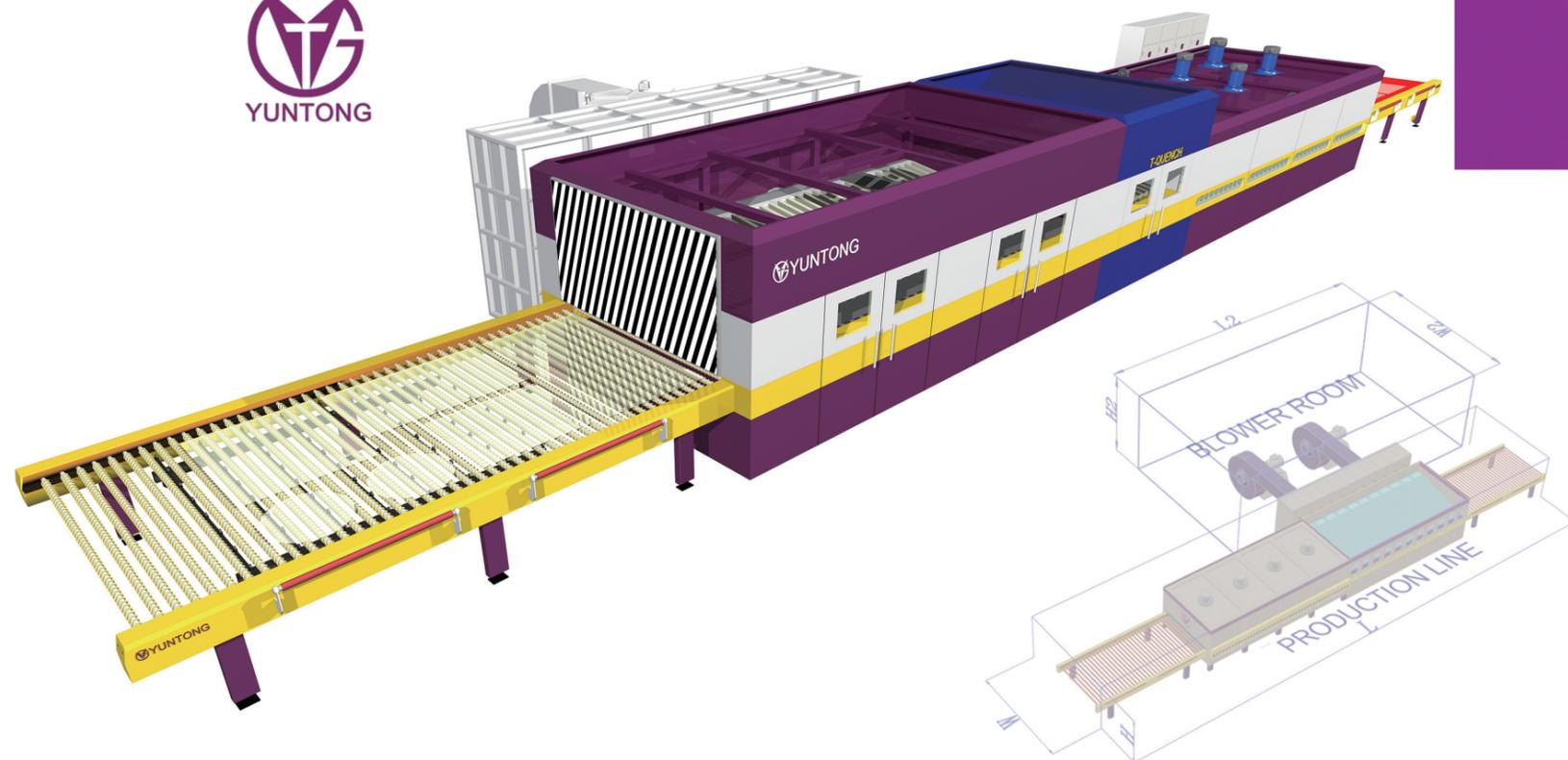




T SERIES PASS-THROUGH QUENCHING SYSTEM



Flat Tempering Line with Pass-through Quenching System:

1. Considerably reduces installed quenching power.
2. Reduces peak current by at least 20%.
3. Reduces power consumption by upto 40%.
4. Enables full load of thin glass tempering.

PID quenching control for T-Series Quenching System:

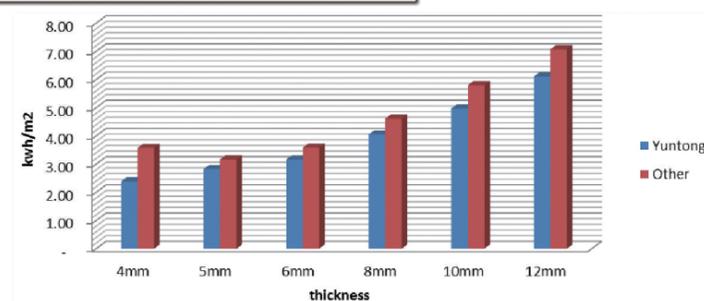
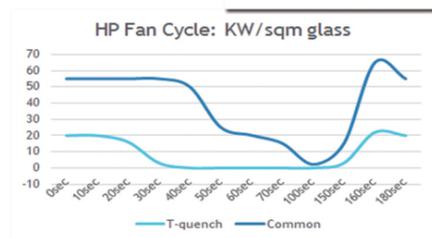
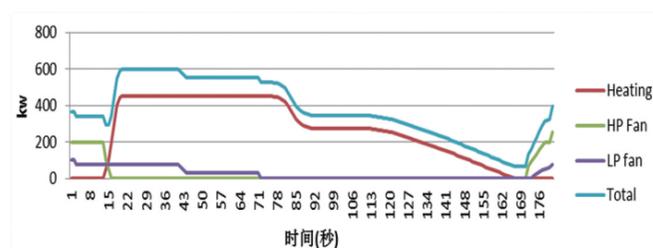
The fan speed and valve opening respond to the actual blowing pressure detected right before the nozzles, therefore, the glass will always get correct quenching intensity. Incorrect air pressure signal will trigger voice alarm.

The quenching fans are all on frequency drive.

PID quenching control ensure each and every pane is well tempered.

Power Consumption Data of PG-T Series Flat Tempering Line

Glass Thickness	3mm	4mm	5mm	6mm	8mm	10mm	12mm	15mm	19mm
Power Consumption (kwh/m ²)	2.7	2.3	2.6	2.9	4.4	5.5	6.7	8.4	10.7



Pass-through quenching system divides the quenching area into 2 or more bays of different pressure. The glass passes through higher pressure bay (s) non-stop to get quenched, and goes to oscillate in the low pressure bay for further quenching and cooling. The high power fan(s) that supply air to the higher pressure bay(s) only work for a very short time, thus a lot of quenching power can be saved.

Basic Data of PG-T Series Flat Tempering Furnace

Model	Max Load Area (mm)	Min. Glass Size (mm)	Glass Thickness (mm)	Production Rate (5mm, batch/hour)	Power Supply (KVA)	Equipment Dimensions (mts) L x W x H	
						Production Line	Blower Room
PG1836T	1829 x 3658	80 x 300	4 ~ 19	16 ~ 19	390	21 x 5.5 x 2.4	10 x 6.5 x 4
PG2136T	2134 x 3658	80 x 300	4 ~ 19	16 ~ 19	450	21 x 5.9 x 2.4	10 x 6.5 x 4
PG2142T	2134 x 4200	100 x 300	4 ~ 19	16 ~ 19	520	23 x 5.9 x 2.4	11 x 6.5 x 4
PG2436T	2438 x 3658	100 x 300	4 ~ 19	16 ~ 19	520	21 x 6.1 x 2.4	11 x 6.5 x 4
PG2442T	2438 x 4200	100 x 300	4 ~ 19	15 ~ 18	600	23 x 6.1 x 2.4	11 x 6.5 x 4
PG2450T	2438 x 5000	100 x 300	4 ~ 19	15 ~ 18	700	27 x 6.1 x 2.4	12 x 7 x 4
PG2460T	2438 x 6000	100 x 300	4 ~ 19	15 ~ 17	830	31 x 6.1 x 2.4	13 x 7 x 4
PG3050T	3048 x 5000	120 x 330	4 ~ 19	15 ~ 17	880	27 x 6.8 x 2.4	13 x 7.5 x 4
PG3060T	3048 x 6000	120 x 330	4 ~ 19	15 ~ 17	1050	31 x 6.8 x 2.4	13 x 7.5 x 4
PG3360T	3300 x 6000	150 x 350	5 ~ 19	14 ~ 16	1150	31 x 7.1 x 2.4	13 x 8 x 4
PG3580T	3500 x 8000	150 x 350	5 ~ 19	14 ~ 16	1550	39 x 7.3 x 2.4	14 x 8 x 4

Notes:

- 1) Data shown here are for sales reference only and have no contractual obligations.
- 2) PG-TB model with can temper 2.8mm glass.