

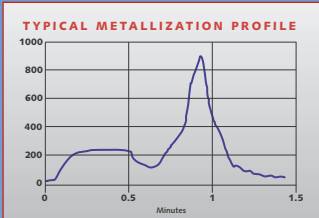


The Global Leader in Thermal Technology

PVD Series

Integrated Solar Cell Dryer/Firing Furnaces

Built for Today. Ready for Tomorrow.



125 mm solar cell, 200 microns thick



Dimpled belt holds solar cells above the belt

Standard Features

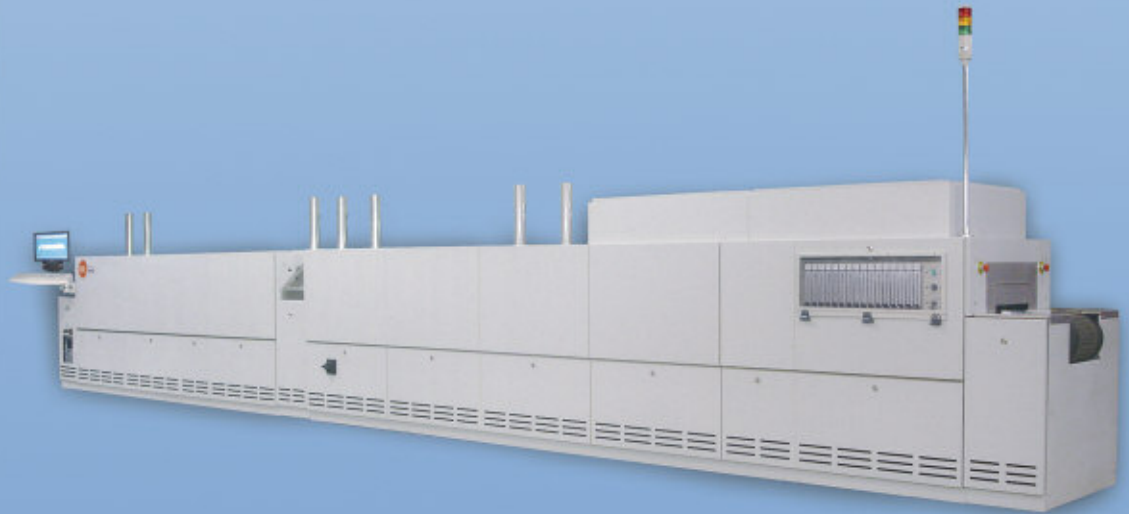
- BTU WINCON™ Control Software
- BTU Intellimax™ Controller
- Redundant Over-temperature Protection
- Element Monitoring
- Process Ready/Not Ready Light Tower
- Panel Safety Interlocks
- Multi-language Software

Options

- 15 in. Ext. Tables
- Ultrasonic Belt Cleaner
- Uninterruptible Power Supply
- CE Compliance
- Spares Kits
- Datapaq Q18 Profiler
- Sun KIC Profiler
- Belt Configurations

The PVD Series furnaces combines the Rapid Thermal Processing of a PV Series Solar Cell Firing Furnace with a D-900 Series Dryer on the same belt. Combining drying and firing in one unit saves factory floor space and automation costs as solar cells go directly from the dryer into the furnace.

Lower cost solar cells are produced with faster processing speeds and improved equipment efficiency. With shorter processing time and faster belt speeds, one PVD Series integrated dryer/furnace processing a single lane of parts can produce up to 30 MW of solar cells per manufacturing line.



SPECIFICATIONS	PVD-309	PVD-609	PVD-614
Heater Type	IR Lamp	IR Lamp	IR Lamp
Belt Width (in, cm)	9, 23	9, 23	14, 36
Conveyor Speed (ipm, cm/min)	12-120, 30.5-305	22-220, 56-560	22-220, 56-560
Load and Unload Stations, each (in, cm)	15, 38	15, 38	15, 38
Number of Dryer Heated Zones	2	3	3
Number of Furnace Heated Zones	4	6	6
Maximum Temperature Rating	1000°C	1000°C	1000°C
Operating Temperature Range	200-900C	200-900C	200-900C
Forced Air Cooling Length (in, cm)	45, 115	90, 229	90, 229
Atmosphere, CDA, typical (scfh, m3/hr)	400, 11.2	900, 25.2	1700, 47.6
Process Exhaust, Venturi Assist	5	5	5
Electrical	208-480 VAC 3Ø 50/60 Hz (4-Wire or 5-Wire available)		
Power (KW) Peak, Typical	72, 28	90, 36	136, 54
Overall Length (in, cm)	278, 707	367, 932	367, 932
Overall Width (in, cm)	38, 96.5	38, 96.5	38, 96.5
Overall Height (in, cm)	72, 184	72, 184	72, 184

Specifications subject to change without notice

Global Strength

BTU provides world-class service and customer support in over 30 countries around the globe.



- ★ BTU Production and Engineering Facilities
- BTU Regional Locations
- BTU Representatives

- 24/7 Worldwide Customer Support
- Manufacturing and Engineering in the US and China
- Process Applications Laboratories in the US and China
- Multiple Global training locations

To contact BTU please go to www.btu.com/support-contact-sales.htm



Headquarters | United States

BTU International, Inc
23 Esquire Road

North Billerica, MA 01862, USA

☎ 1-978-667-4111

☎ 1-978-667-9068

✉ btuhq@btu.com



Europe

BTU Europe Ltd., UK

☎ +44 (0) 1252 660010

☎ +44 (0) 1252 660011

✉ sales@btu.co.uk



Asia Pacific

BTU Shanghai, China

☎ +86-21-58669098

☎ +86-21-58669231

✉ btuasias@btu.com

[www. BTU .com](http://www.BTU.com)