

**NEW**

## **BrySmart Wheel Dryer** BWD series



MARCHING TOWARDS  
INDUSTRY 4.0



**Bry-Air**®

**Drying • Conveying • Blending**

# INTRODUCING

## The New BrySmart® Wheel Dryer

BWD series



Industry 4.0, or the fourth industrial revolution, is a major step forward in increasing manufacturing efficiency, and thus productivity. The framework of Industry 4.0 is powered by advanced controls, sensors and easy-to-use software, which all provide data to analyse and optimise productivity. The advanced BrySmart® controls embedded in the new BWD series plastics dryers is a step in this direction.

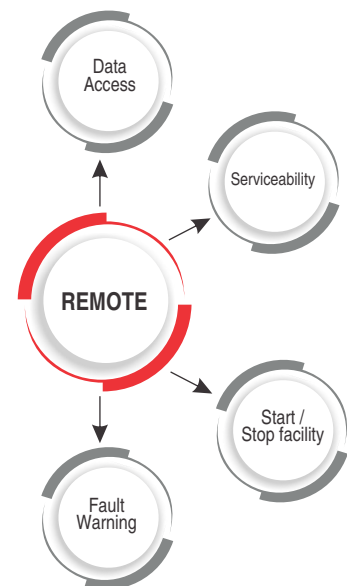
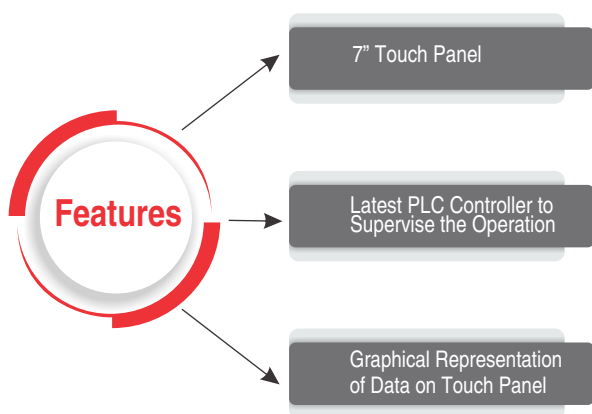
Now a days, professionals involved in keeping a plastic processing plant running in various shifts, need to have better access to machine data and control. They can now have a better control on productivity, tracking defects and even keeping up with preventive and predictive equipment maintenance for better optimization of productivity with the data provided by the BrySmart® controls, which incorporates Industry 4.0 concepts.

The new Super BryWheel®, BWD series dryers incorporating the BrySmart® controls, comes with advanced technology in connectivity which connects the equipment to internet.

With the help of the Super BryWheel®, BWD series dryers, the user can manage the process through smart phones, tablet and computers from anywhere and anytime\*



### Feel the Power of Touch



## BrySmart® Wheel Dryer


\*Subject to presence of internet connectivity at both the end

## BWD Series Comes with Following Features and Advantages

- Process air high temperature paper cartridge filter
- In built pre-cooler
- Continuous data log of system parameters and online display of operating parameters.
- Ethernet port
- Intelligent re-start following a power failure
- Password protected feature for unauthorized mishandling
- Intelligent power circuit switching to minimize voltage drops in the unit supply system
- Small footprints; low volume/ weight per CMH
- Real time clock / calendar
- Digital dew point meter (optional)
- Material saver mode (optional)

## THE POWER OF SUPER **BRYWHEEL™**

### Features of Super BryWheel Rotor

- Rotor incorporates robust internal structure for industrial quality and durability
- The rotor is non-flammable with organic < 2%
- Process and reactivation air flow sectors are insulated
- Unique PTFE coated silicone flat seal
- Reusable cartridge type high efficiency paper filter for process and reactivation air flows
- Auto pilot mode 



Crafted for very low and consistent dew point up to (-) 65°C

## Advantages

- BryWheel ensures you have a much better control over dew-point and temperature.
- The desiccant rotor takes lesser time to regenerate, i.e. it heats and cools comparatively in a lesser time than alternate drying technologies, thus saving energy
- More energy savings, reduced energy costs
- Maximum surface area for drying
- Lower downtime, the rotor has fewer moving parts and thus, less prone to breakdowns
- Light weight
- Amazing structural strength
- Lower dew-point

## Unlimited Options

The BWD series dryers are ideal for a stand alone, single station operation as well as multi station centralized installation.

## Technical Specification For BWD - series

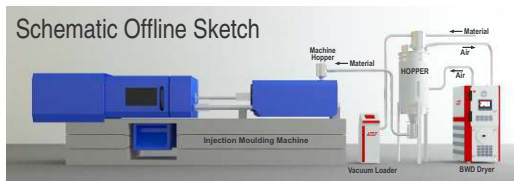
MODEL	Process Air Inflow CMH	Hose Connection (in)	Cooling Coil Water Connection	Cooling Coil Water Flow In LPM	Outlet Temp. Range In (°C)	Process Blower (KW)	React Blower (KW)	Bed Drive Motor (KW)	Process HTR (KW)		React Heater (KW)	Dimensions in (mm)			415/3/50 Hz Electrical Connection Full Load (amp)	Shipping Weight (kg)
									Std.	High Heat		W	D	H		
*BWD-30	30	2	3/8"	2.5	80-190	0.18	0.18	0.006	0.8	1.3	1.30	550	640	1300	16	170
*BWD-60	60	2	3/8"	5	80-190	0.40	0.18	0.006	1.5	2.75	1.50	550	640	1300	22	180
*BWD-80	80	2	3/8"	7	80-190	0.75	0.18	0.006	1.8	3.75	2.00	550	640	1300	31	190
*BWD-120	120	3	1/2"	10	80-190	0.9	0.40	0.006	2.8	6.0	2.75	820	1080	1475	17	330
BWD-170	170	4	1/2"	13	80-190	1.75	0.40	0.006	4.0	7.5	3.75	820	1080	1475	20	340
BWD-225	225	4	1/2"	17	80-190	2.20	0.40	0.006	4.5	10.0	5.00	820	1080	1475	26	350
BWD-300	300	4	1/2"	22	80-190	5.50	0.75	0.006	8.0	13.5	6.75	820	1080	1475	40	410
BWD-400	400	6	1/2"	31	80-190	5.50	0.90	0.025	12.0	18.0	9.00	1080	1300	1730	48	555
BWD-500	500	6	1/2"	38	80-190	9.0	1.75	0.025	14.0	22.5	11.25	1080	1300	1730	66	585
BWD-750	750	6	1/2"	55	80-190	9.0	2.20	0.025	17.0	30.0	18.00	1080	1300	1730	89	620

\*Indicates unit available in 230/1/50Hz only

## Technical Specification For BWD (L)- series

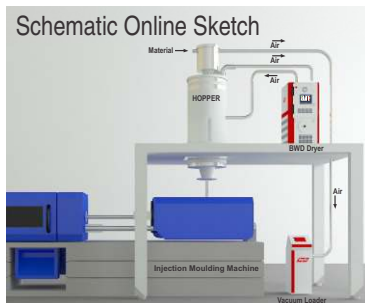
MODEL	Process Air Inflow CMH	Hose Connection (in)	Cooling Coil Water Connection	Cooling Coil Water Flow In LPM	Outlet Temp. Range In (°C)	Process Blower (KW)	React Blower (KW)	Bed Drive Motor (KW)	Process HTR (KW)		React Heater (KW)	Dimensions in (mm)			415/3/50 Hz Electrical Connection Full Load (amp)	Shipping Weight (kg)
									Std.	High Heat		W	D	H		
BWD-1000	1000	6	1 1/4"	75	80-190	5.60	0.75	0.040	17.5	42.7	21.9	1645	1945	2180	95	865
BWD-1250	1250	10	1 1/4"	92	80-190	5.60	1.12	0.040	21.8	53.4	27.4	1645	1945	2180	129	875
BWD-1750	1750	10	1 1/4"	134	80-190	7.50	1.12	0.040	30.6	74.8	38.4	1645	1945	2180	164	890
BWD-2500	2500	12	—	—	80-190	9.30	1.50	0.040	43.7	106.8	54.8	—	—	—	—	—
BWD-3500	3500	12	—	—	80-190	15.00	2.20	0.090	61.2	149.8	76.8	—	—	—	—	—

## Option Availability



DESCRIPTION	BWD-30	BWD-60	BWD-80	BWD-120	BWD-170	BWD-225	BWD-300	BWD-400	BWD-500	BWD-750	BWD-1000	BWD-1250	BWD-1750	BWD-2500	BWD-3500
Tower Light	←	—	—	—	—	—	—	—	—	—	—	—	—	—	→
Dew Point Meter dew point controlled reactivation	←	—	—	—	—	—	—	—	—	—	—	—	—	—	→
Material Saver Function	←	—	—	—	—	—	—	—	—	—	—	—	—	—	→
Silicon Flexible House For High Heat Application	←	—	—	—	—	—	—	—	—	—	—	—	—	—	→

## DRYING RATES (Kg / Hr)



RESIN TYPE	DRYING TEMP.(°C)	TIME Hourse	BULK Density (g/cm³)	BWD-30	BWD-60	BWD-80	BWD-120	BWD-170	BWD-225	BWD-300	BWD-400	BWD-500	BWD-750	BWD-1000	BWD-1250	BWD-1750	BWD-2500	BWD-3500
ABS	80-85	2-3	0.67	17	34	45	68	97	128	171	229	286	429	571	714	1000	1430	2000
PA6/6	70-90	5-6	0.65	12	24	32	48	68	90	120	160	200	300	400	500	700	1000	1400
PC	120	3-4	0.75	16	33	44	67	94	125	167	222	278	417	556	694	972	1390	1950
PET	160/180	4-5	0.85	13	27	36	53	76	100	133	178	222	333	444	556	778	1111	1556
PMMA	80-85	3-4	0.55	13	26	35	52	74	98	130	173	217	326	434	543	760	1086	1520
PPO	90-110	2-3	0.8	15	30	40	60	85	113	150	200	250	375	500	625	875	1250	1750
SAN	80	2-3	0.64	16	32	43	64	91	121	162	216	270	405	540	675	945	1351	1890
PBT	120-135	3-4	0.83	15	30	40	60	85	113	150	200	250	375	500	625	875	1250	1750
PPL/PSU	90-100	3-4	0.8	16	32	43	64	91	121	162	216	270	405	540	675	945	1351	1890

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

### 4 EASY WAYS TO REACH US



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