

An Introduction to Totech Super Dry

Super Dry Totech is the leading manufacturer of the widest available range of advanced dry cabinets. We deliver safe storage and fast drying solutions for a multitude of applications; Electronics & PCB assembly, watchmakers, solar industry, optoelectronics, microelectronics, medical, laboratory, digital media & film ... the list is endless.



How do you determine the appropriate cabinet for the application?

- ✓ Dry storage => to stop the floor life of devices & safely store (SDB, SD, SD+, ESDA Series)
- ✓ Drying => to reset the floor life of devices (HSD, MSD Series)
- ✓ Fast drying => to speed up the drying or resetting process (XSDB, XSD, XSDV, XSDR Series)
- ✓ Custom made solution => dry room or automated dry tower (SDR Series, Dry Tower)
- ✓ Cooling cabinet => fridge or long term storage (XSDC Series)

Questions you first need to ask your customer

How do you safely store your MSDs?

- ✓ All MSDs should be stored in an atmosphere of 5% RH maximum. This can be done through storage in a dry storage cabinet (SDB, SD, ESDA) or in sealed moisture barrier bags
- ✓ If your MSDs are not stored in the correct atmosphere, then you need to reset their floor life before the reflow process to prevent potential popcorning or delamination problems
- ✓ Storing MSDs in a dry atmosphere will also reduce or stop problems caused by oxidation
- ✓ Totech Super Dry offers a wide variety of cabinets for dry storage applications (see SDB, SD, ESDA ranges)

How do you reset floor life of your MSDs?

- ✓ Most customers are still using costly baking processes. This can dry MSDs but may cause oxidation or intermetallic growths to form, thus generating wetting problems during reflow & subsequent quality issues
- ✓ Do baking ovens dry faster than fast-drying Totech cabinets? No, because most devices cannot be baked at more than 40°C or 60°C. At these temperatures a Totech fast-drying cabinet can dry up to 2 times faster, without generating any oxidation problems
- ✓ XSDR reset cabinets have integrated timers & will notify the end user when the floor life time of the component has been reset
- ✓ Totech Super Dry offers fast drying or floor life reset solutions including data logging and MSL tracking software

How do you ship your MSDs to other locations?

- ✓ All MSDs still have to be stored in a safe atmosphere during transportation
- ✓ Totech Super Dry also supplies vacuum packaging machines and all associated consumables (MBB, HIC, Desiccant,)

How do you store your solder paste?

- ✓ Refrigerated storage prolongs the shelf life of solder paste. It should be kept in refrigerated storage, typically <10°C
- ✓ If exposed to temperatures >30°C for extended periods of time paste may no longer perform as expected
- ✓ Totech Super Dry offers several cooling cabinets including a data logging feature to provide complete traceability of the storage conditions and environment history (XSDC ranges)

Our Range

Dry Storage Cabinets

SDB Series
SD Series
SD+ Series
ESDA Series

Drying at 5 - 2% RH
(with heating up to
40 °C available as option)



Drying Cabinets

HSD Series
MSD Series

Drying at <1% RH
(with heating up to
40 °C available as option)



Fast Drying Cabinets

XSD/XSDB/XSDR/
XSDV Series

Drying at <1% RH
with heating up to 60 °C
with insulated body



Cooling Cabinets

XSDC Series
long term
storage & cooling

Cooling down to 2 °C
with insulated body



Customised Solutions

Dry Tower & SDR
walk in dry rooms



Vacuum Packaging Machines

SDV Series

Vacuum packaging
machine up to 5mbar

