

# JBC

The Soldering Co.



## Angled Desoldering Iron

Powerful suction with full control

**Matronic**  
ELECTRONIC PRODUCTION TECHNOLOGY

# DT530 Angled Desoldering Iron

It is ideal for removing through-hole components and excess solder during SMD rework.

- **Enhanced quick heating and thermal stability** reduce downtime and maintain consistent temperatures.
- **Superior suction integrity** thanks to improved air-tightness ensures reliable desoldering.
- **New tip-locking mechanism** enables **safe exchange of tips** and prevents **accidental drops**.
- Its angled and ergonomic design allows **comfortable and efficient work even under the magnifying glass**.



### Powerful suction

MSE Electric Desoldering Module generates a **vacuum of 85 kPa instantly** for seamless solder removal.

JBC Technology allows **extremely quick tip temperature recovery**, giving the possibility to **work at a lower temperature**.

Benefit from **precise temperature control and rapid recovery thanks to the integrated heating system**. Sleep & Hibernation Modes further improve the lifespan of the tip.

### Maintenance made simple

Simplify maintenance with our desoldering tool's **easy-to-clean solder collector**. Cleaning is effortless, ensuring your tool remains in perfect condition for **extended use**, saving you time and resources.

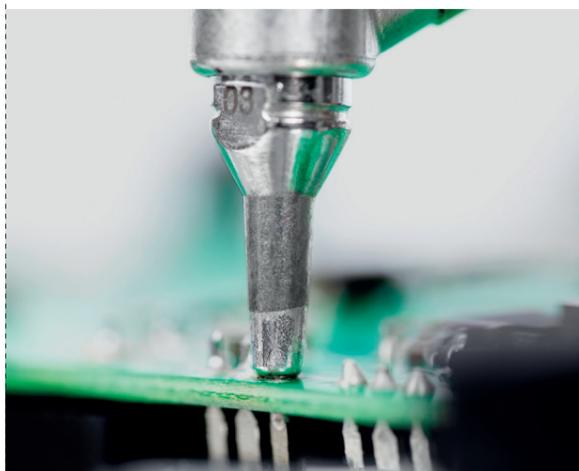


### Comfort meets control

Our tool is designed with your comfort in mind, featuring an ergonomic grip that minimizes stress on your hand and wrist. Its **lightweight design reduces fatigue during extended soldering sessions**, allowing you to work comfortably and efficiently.

### Left-hand / right-hand use

DT530 is designed to be **ergonomically used with either the right or the left hand** offering two assembly positions.

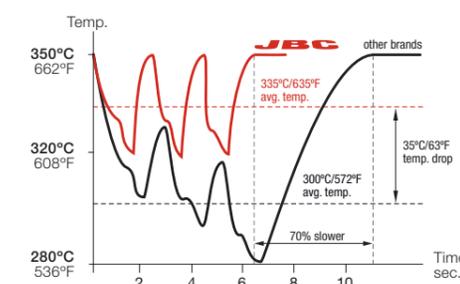


DT530 works with DDE or DME Control Units and MSE Electric Desoldering Module. You can build your soldering station with Modular System and take advantage of **Most Efficient Soldering System**.

### Most Efficient Soldering System

Tips with JBC Technology only drop 30°C (54°F) where others drop as much as 70°C (126°F), as can be seen in the graphic.

Improve productivity and soldering quality with temperature stability and increase manufacturing reliability with accurate tip temperature.



## DTS Stand

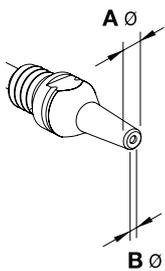
When the tool is placed in the tool holder, **Sleep & Hibernation Modes** activate.

Sleep Mode **automatically lowers tip temperature** below the solder melting point, **preventing the dissolution of the iron tip coating into molten solder**.  
Hibernation Mode **cuts off the power supply**, making the tip reach room temperature, thus **preventing oxidation and saving energy**.

The new tip-locking mechanism enables **safe exchange of tips and prevents accidental drops**.



## D530 Tip Range



### Through-hole desoldering



#### D530001

A = Ø 1.4 (Ø 0.055)  
B = Ø 0.6 (Ø 0.024)  
max. pin= Ø 0.4 (Ø 0.016)



#### D530002

A = Ø 1.8 (Ø 0.071)  
B = Ø 0.8 (Ø 0.032)  
max. pin= Ø 0.6 (Ø 0.024)



#### D530014

A = Ø 2.5 (Ø 0.098)  
B = Ø 0.8 (Ø 0.032)  
max. pin= Ø 0.6 (Ø 0.024)



#### D530003

A = Ø 2.7 (Ø 0.106)  
B = Ø 1 (Ø 0.039)  
max. pin= Ø 0.8 (Ø 0.032)



#### D530017

A = Ø 2 (Ø 0.079)  
B = Ø 1.1 (Ø 0.043)  
max. pin= Ø 1 (Ø 0.039)



#### D530004

A = Ø 3.2 (Ø 0.126)  
B = Ø 1.3 (Ø 0.052)  
max. pin= Ø 1.1 (Ø 0.043)



#### D530009

A = Ø 5 (Ø 0.197)  
B = Ø 1.3 (Ø 0.052)  
max. pin= Ø 1.1 (Ø 0.043)



#### D530005

A = Ø 3.4 (Ø 0.134)  
B = Ø 1.5 (Ø 0.059)  
max. pin= Ø 1.3 (Ø 0.051)



#### D530006

A = Ø 4.2 (Ø 0.165)  
B = Ø 1.9 (Ø 0.075)  
max. pin= Ø 1.7 (Ø 0.067)



#### D530018

A = Ø 4.6 (Ø 0.181)  
B = Ø 2.2 (Ø 0.087)  
max. pin= Ø 2 (Ø 0.079)



#### D530007

A = Ø 4.8 (Ø 0.189)  
B = Ø 2.4 (Ø 0.095)  
max. pin= Ø 2.2 (Ø 0.087)



#### D530015

A = Ø 5.2 (Ø 0.205)  
B = Ø 3 (Ø 0.118)  
max. pin= Ø 2.8 (Ø 0.110)

### Pad cleaning



#### D530011

A = Ø 1.4 (Ø 0.055)  
B = Ø 0.6 (Ø 0.024)



#### D530012

A = Ø 1.8 (Ø 0.071)  
B = Ø 0.8 (Ø 0.032)



#### D530013

A = Ø 2.7 (Ø 0.106)  
B = Ø 1 (Ø 0.039)

**ESD safe**

millimeters (inches)

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Matronic i Sverige AB 08-556 291 00 info@matronic.se matronic.se