

JBC

www.jbctools.com

Station
guide

Excellence range



Believe in Innovation
Enjoy the power

A global organization at your service

JBC is a global company with a distributor network spanning 5 continents that guarantees a solid commercial organization with quick and efficient service.

The power of experience

More than 80 years of experience have placed JBC at the technological forefront of tools for soldering and rework operations in electronics. Innovation, efficiency and reliability are the key features of a wide range of products which have been designed to satisfy the most demanding requirements of professionals.

High technology, superior quality

Product perfection is one of the main objectives of JBC's improvement and development program. The R&D department has created the most innovative soldering technologies, which JBC is proud to present in this catalogue.



ESD safe

All JBC products comply with CE standards and EDS recommendations.



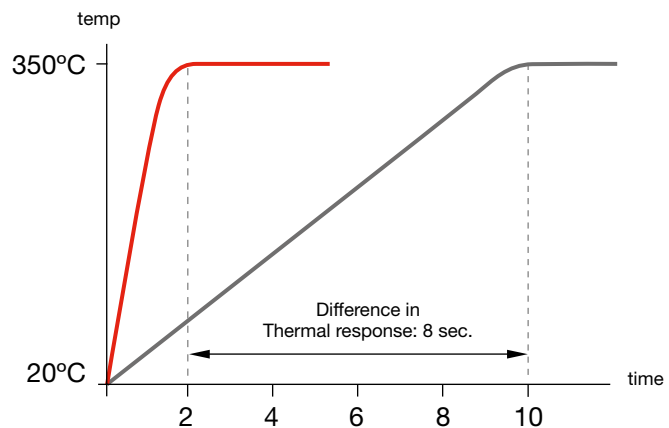
JBC Soldering SL. reserves the right to update, modify or delete any information without previous notice.

High Technology for **quality** soldering

The **JBC** Exclusive Heating System

JBC's stations work with the JBC Exclusive Heating System which recovers tip temperature extremely quickly. This increases work efficiency and allows the user to work with lower temperatures.

350°C in 2 seconds



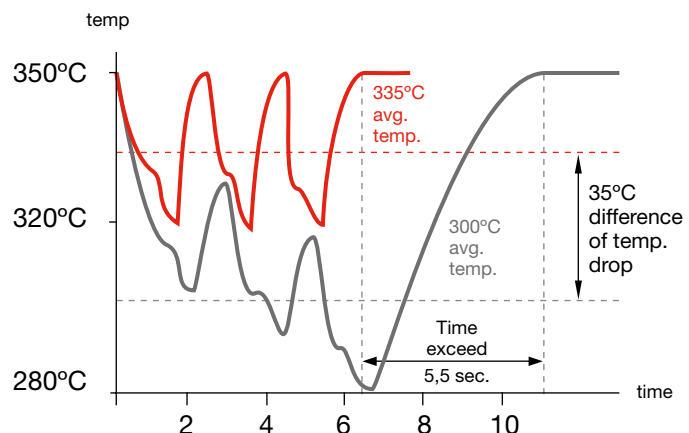
Enhanced Temperature Efficiency



Increase Productivity + Better Quality

Efficient Temperature Control

Comparative process of 3 solder joints



— JBC

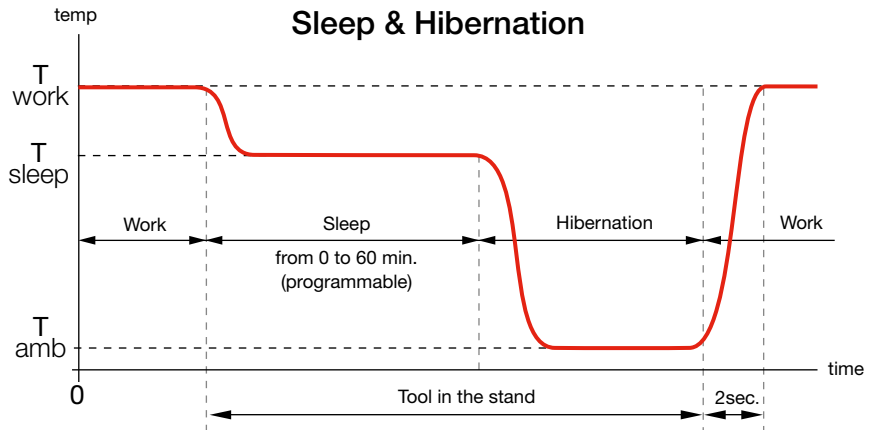
— Another top brand

The Intelligent Heat Management

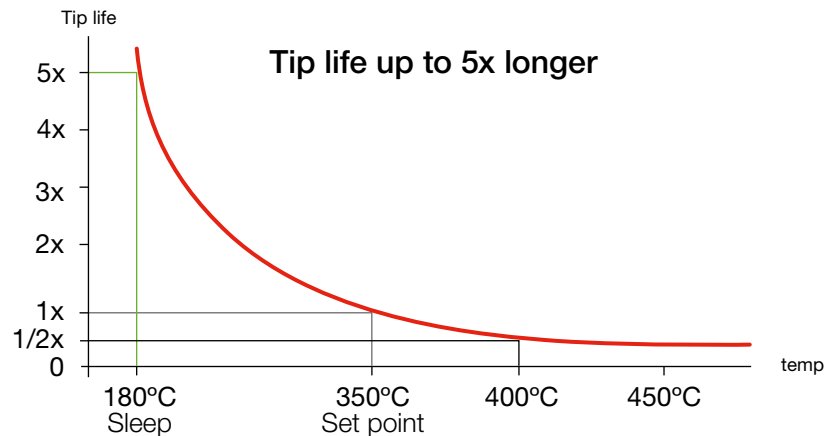
The JBC equipment also incorporates the **Sleep & Hibernation** modes to help extend tip life by further reducing the temperature when the tool is not in use. As a result, tip life increases by 5.

The **Sleep** function automatically reduces tip temperature when the tool is in the stand.

When the set time for Sleep mode is up, the station automatically goes to **Hibernation**. The power supply is cut and the tip remains at room temperature.

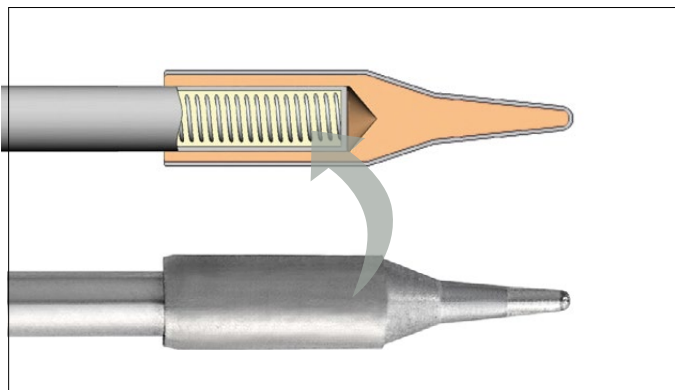


Tip life increases exponentially by using lower temperatures as shown. Using the **Sleep** mode the temperature is further reduced, which extends tip life by 5.



Cartridges with extended tip life

The essential part of the soldering iron is the tip so JBC has over 400 models of cartridges of different sizes and shapes to choose from depending on each application. JBC has developed the most advanced technology based on the following principles:



Excellent Heat Transfer

The compact element reduces thermal barriers.

Instantaneous Heating Up

A fully integrated thermal sensor in the heater ensures quick temperature recovery.

Great Durability

The intelligent algorithm control program extends tip life.

Compact line

Everything you need in the minimum footprint

All in One
Control Unit + Stand + Cleaning

Each unit meant for a
specific purpose



Suit position

JBC stations are designed to suit the user's work position. The **tool stand** and the **cable collector** are easily **adjustable**.

Intelligent Heat Management

The stations incorporate the **Sleep & Hibernation** features that lower tip temperature when the tool is placed on the adjustable stand. As a result, a JBC's tip life lasts up to 5 times longer than other brands.

Quick tip changer

Save time and increase productivity

by using the quick cartridge changer.

Simply insert the cartridge, remove it and introduce a new one without having to turn off the station.

This allows you to work on different soldering jobs.



Process screen

The **User Friendly Menu**

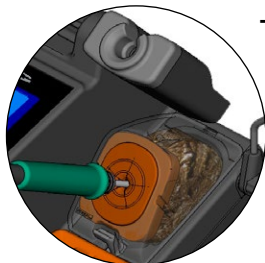
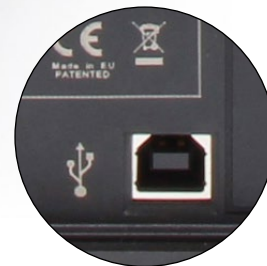
allows you to personalize over **20 parameters** to help manage the soldering process. Set temperature limits, check usage counters, lock the station with a PIN or program Sleep & Hibernation features.



Communication station-PC

JBC wants to take you beyond the station by means of a **USB-B connection** to your computer.

You can update station software, create graphs of the soldering process and manage or monitor parameters via your PC.



Tip Cleaning System

The CD stations feature a tip cleaner with a new **antisplash rubber** to prevent splashing of solder particles and maintain the work area clean. The most **complete cleaning system** allows you to choose from 3 safe methods according to your needs: metallic wool, sponge or metal brush. The integrated wiper also allows you to remove excess solder from the tip single-handedly.

Soldering

CD-B

Soldering station

For general electronic applications.

Includes the **T245-A** General Purpose Soldering Iron.

CD-S

Precision Soldering station

For precision electronic applications.

Includes the **T210-A** Precision Soldering Iron.

CF

Solder Feed station

For intensive and/or single handed soldering jobs.

Includes the **AP130-A** Solder Feed Iron.



Rework

CP

Micro Tweezers station

For soldering and desoldering small and medium SMD components.

Includes the **PA120-A** Micro Tweezers.

CV

Micro Desoldering station with Pneumatic pump

For desoldering jobs in precision electronic applications.

Includes the **DS360-A** Micro Desoldering Iron.

CS

Micro Desoldering station with Electric pump

For desoldering jobs in precision electronic applications.

Includes the **DS360-A** Micro Desoldering Iron.



Cartridge Map

Over 400 Cartridges & Customized models

C105

C105-126 C105-101 C105-103 C105-106 C105-107 C105-124 C105-118 C105-105 C105-110 C105-116 C105-117 C105-108 C105-125 C105-113 C105-114 C105-109

C105-111 C105-112 C105-120 C105-115 C105-213 C105-221 C105-222 C105-214 C105-223 C105-211 C105-212

Stainless steel tip High Thermal Performance

C120

Chips Components Dual in Line

C120-002 C120-902 C120-006 C120-004 C120-012 C120-011 C120-001 C120-003 C120-005 C120-007 C120-008 C120-009 C120-010

C420

Chips Components Blade type QFP y PLCC Dual in Line Cable Stripper SPECIAL

C420-271 A = 1,5 mm C420-272 A = 2,6 mm C420-283 A = 50 mm C420-280 A = 11,0 mm C420-279 A = 8,0 mm C420-285 A = 22,0 mm C420-278 A = 20,0 mm C420-277 A = 15,0 mm C420-276 A = 10,0 mm C420-275 A = 8,0 mm C420-274 A = 6,0 mm C420-273 A = 4,0 mm C420-281 C420-282 C420-286 C420-287

C130

C130-401 C130-402 C130-403 C130-409 C130-410 C130-416 C130-417 C130-404 C130-405 C130-406 C130-418 C130-419

C210

C210-020 C210-009 C210-016 C210-001 C210-013 C210-003 C210-005 C210-002 C210-010 C210-014 C210-004 C210-006 C210-019 C210-023 C210-021 C210-024 C210-022 C210-008 C210-007 C210-018 C210-012 C210-025 C210-015 C210-017

To solder inside a connector To solder through hole components on multilayer PCBs

C245

C245-731 C245-773 C245-742 C245-774 C245-906 C245-406 C245-768 C245-944 C245-907 C245-407 C245-759 C245-770 C245-741 C245-729 C245-061 C245-911 C245-775 C245-755 C245-756 C245-908 C245-708 C245-069 C245-966 C245-030 C245-032 C245-036 C245-930 C245-001 C245-937 C245-957 C245-903 C245-403 C245-943 C245-933 C245-107 C245-747 C245-710 C245-905 C245-405 C245-945 C245-784 C245-912 C245-056 C245-951 C245-766 C245-866* C245-866* C245-806* C245-844* C245-807* C245-844* C245-811* C245-845* C245-812* C245-256*

C245

C245-748 C245-749 C245-962 C245-963 C245-946 C245-732 C245-761 C245-034 C245-029 C245-126 C245-929 C245-935 C245-904 C245-259 C245-260 C245-627 C245-628 C245-067 C245-938 C245-931 C245-965

Mini Spoon A = 3,8 mm A = 2,7 mm A = 1,9 mm

Cartridges to solder SMT IC **Hoof tip with reduced tinned surface, ideal for touch-up** **Chip Components** **Dual in Line** **QFP y PLCC** **For PLCC Sockets** **Blade type** **Bevel Edge Tips**

C245-009 C245-010 C245-064 C245-102 C245-019 A = 4,5 C245-018 A = 3,4 C245-017 A = 2,2 C245-016 A = 1,9 C245-226 A = 15,2 B = 29,0 C245-215 A = 9,6 B = 18,0 C245-304 A = 9,6 B = 15,0 C245-305 A = 9,6 B = 12,0 C245-306 A = 9,6 B = 10,0 C245-222 A = 7,1 B = 13,0 C245-303 A = 6,5 B = 6,0 C245-221 A = 5,4 B = 10,0 C245-250 A = 5,4 B = 8,0 C245-220 A = 5,4 B = 6,0 C245-227 A = 17,5 B = 17,5 C245-315 A = 15 B = 15,0 C245-228 A = 12,4 B = 15,0 C245-224 A = 12,0 B = 12,0 C245-223 A = 8,5 B = 8,5 C245-247 N. of contact positions = 44 A = 17,0 B = 17,0 C245-248 N. of contact positions = 32 A = 11,9 B = 14,5 C245-776 A = 37 C245-949 A = 32 C245-913 A = 21 C245-752 A = 15 C245-914 A = 10 C245-939 C245-765 C245-955

See the **full range** on our website

Cartridges with chrome finish, designed for use in plastics

C245-053 C245-052 C245-054 C245-138 C245-312 C245-313 C245-124 C245-123 C245-121 C245-109 C245-311

Cartridges with big contact surface to solder wide area

C245-301

Cable soldering

C245-118

PTFE coated tip

C245-119

Through hole soldering

C245-117

Tip with an extra tinned surface

C245-041

Rework blade

C245-730

Pure nickel tip for HMP (High Melting Point) soldering

C245-772

Ideal to reach joints

C245-764

C245 SPECIAL

Fast soldering on contacts in male connectors

C245-268 C245-136

To solder inside a connector

C245-116

C245-763 C245-760 C245-785 C245-762

Through hole drag soldering

C245-150 C245-150* C245-757 C245-758 C245-122 C245-754 C245-654* C245-751 C245-651* C245-667 C245-771

C250-420 C250-401 C250-402 C250-403 C250-409 C250-410 C250-404 C250-405 C250-406 C250-412 C250-418 C250-407 C250-408 C250-411 C250-413 C250-414 C250-415

C250

C470-013 C470-036 C470-014 C470-040 C470-035 C470-017 C470-002 C470-015 C470-004 C470-016 C470-039 C470-006 C470-009 C470-007 C470-034 C470-018 C470-019 C470-003 C470-001

C470

C470-008 C470-023 C470-005 C470-010 C470-011 C470-012 C470-038 C470-020 C470-021 C470-022 C470-027 C470-044 C470-031

C470 SPECIAL

Cartridges with chrome finish, designed for use in plastic

C470-025 C470-026 C470-032 C470-028 C470-029 C470-030 C470-033 C470-037 C470-041 C470-047 C470-042 C470-046 C470-043

Pad Cleaning Tips

C360-001 C360-002 C360-003 C360-004 C360-007 C360-006 C360-011 C360-012 C360-013 C360-014

$\text{OA} = 1 \text{ mm}$ $\text{OB} = 0,6 \text{ mm}$ $\text{OBmax. pin} = 0,4 \text{ mm}$
 $\text{OA} = 1,2 \text{ mm}$ $\text{OB} = 0,8 \text{ mm}$ $\text{OBmax. pin} = 0,6 \text{ mm}$
 $\text{OA} = 1,4 \text{ mm}$ $\text{OB} = 1 \text{ mm}$ $\text{OBmax. pin} = 0,8 \text{ mm}$
 $\text{OA} = 1,6 \text{ mm}$ $\text{OB} = 1,2 \text{ mm}$ $\text{OBmax. pin} = 1 \text{ mm}$
 $\text{OA} = 1,9 \text{ mm}$ $\text{OB} = 1,4 \text{ mm}$ $\text{OBmax. pin} = 1,2 \text{ mm}$
 $\text{OA} = 3 \text{ mm}$ $\text{OB} = 1,5 \text{ mm}$ $\text{OBmax. pin} = 1,3 \text{ mm}$
 $\text{OA} = 1 \text{ mm}$ $\text{OB} = 0,6 \text{ mm}$
 $\text{OA} = 1,2 \text{ mm}$ $\text{OB} = 0,8 \text{ mm}$
 $\text{OA} = 1,4 \text{ mm}$ $\text{OB} = 1 \text{ mm}$
 $\text{OA} = 1,6 \text{ mm}$ $\text{OB} = 1,2 \text{ mm}$

C360

C560-001 C560-002 C560-014 C560-003 C560-017 C560-004 C560-009 C560-005 C560-006 C560-007 C560-015

$\text{OA} = 1,4 \text{ mm}$ $\text{OB} = 0,6 \text{ mm}$ $\text{OBmax. pin} = 0,4 \text{ mm}$
 $\text{OA} = 1,8 \text{ mm}$ $\text{OB} = 0,8 \text{ mm}$ $\text{OBmax. pin} = 0,6 \text{ mm}$
 $\text{OA} = 2,5 \text{ mm}$ $\text{OB} = 0,8 \text{ mm}$ $\text{OBmax. pin} = 0,6 \text{ mm}$
 $\text{OA} = 2,7 \text{ mm}$ $\text{OB} = 1 \text{ mm}$ $\text{OBmax. pin} = 0,8 \text{ mm}$
 $\text{OA} = 2 \text{ mm}$ $\text{OB} = 1,1 \text{ mm}$ $\text{OBmax. pin} = 1 \text{ mm}$
 $\text{OA} = 3,2 \text{ mm}$ $\text{OB} = 1,3 \text{ mm}$ $\text{OBmax. pin} = 1,1 \text{ mm}$
 $\text{OA} = 5 \text{ mm}$ $\text{OB} = 1,3 \text{ mm}$ $\text{OBmax. pin} = 1,1 \text{ mm}$
 $\text{OA} = 3,4 \text{ mm}$ $\text{OB} = 1,5 \text{ mm}$ $\text{OBmax. pin} = 1,3 \text{ mm}$
 $\text{OA} = 4,2 \text{ mm}$ $\text{OB} = 1,9 \text{ mm}$ $\text{OBmax. pin} = 1,7 \text{ mm}$
 $\text{OA} = 4,8 \text{ mm}$ $\text{OB} = 2,4 \text{ mm}$ $\text{OBmax. pin} = 2,2 \text{ mm}$
 $\text{OA} = 5,2 \text{ mm}$ $\text{OB} = 3 \text{ mm}$ $\text{OBmax. pin} = 2,8 \text{ mm}$

Pad Cleaners Tips

C560-011HT Standard Life $\text{OA} = 1,4 \text{ mm}$ $\text{OB} = 0,6 \text{ mm}$

C560-012HT Standard Life $\text{OA} = 1,8 \text{ mm}$ $\text{OB} = 0,8 \text{ mm}$

C560-013 Extended Life $\text{OA} = 2,7 \text{ mm}$ $\text{OB} = 1 \text{ mm}$

C560

C000-000 High Thermal Efficiency Cartridges: These are characterised by their optimised tip geometries which achieve improved thermal efficiencies of up to 40%.
 C000-000* These cartridges are 20mm longer than normal cartridges for easy access to difficult-to-reach joints

Modular line

Set up your personalized station according to your soldering or rework needs

Stackable modules
save work space

Fully compatible tools
with all control units

Easy-to-use menu helps
work more efficiently



Station customizable

Personalize the parameters according to your work.



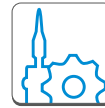
Partial Counters

Total and partial time register for each port: work, sleep & hibernation in hours.



Peripherals

Join station ports to pedals and modules: desoldering pump, nitrogen flow regulator,...



Tools Preset

The station detects the tool and applies the parameters chosen by the operator.



Graphs

Optimize soldering quality by analyzing your work graphics in real time.



Communication Station-PC

Update station software, manage your stations via PC or export graphics.



Robots

Automate the soldering process and manage the station via Robot.



B-Net Your Soldering Network

Organize and control all the production from your PC.



TFT screen
See % power
for each port

Quick
temperature change

USB-A
Software Updating &
export graphics

Tool in use

Consult the
comprehensive help
for each parameter

Display different ports in use

Control Units

DI
1 Tool



DDE
2 Tools & Capacitive Keyboard



DME
4 Tools & Touch Screen



MS / MV
Desoldering Modules



MSE / MVE
Desoldering Modules



Stands

AD-SD



AP-SD



PA-SD



HT-SD



DS-SD



DR-SD



Tools

T210
Precision Purpose Handles



T245
General Purpose Handles



T470
Heavy Duty Handles



AP130
Solder Feed Iron



PA120
Micro Tweezers



HT420
Thermal Tweezers



DS360
Micro Desoldering Iron



DR560
Desoldering Iron



Cartridge range

C210

C245

C130

C120

C420

C360

C560

Cleaning systems



CL6166
ESD Tip Cleaner



CLMS
Automatic Junior Tip Cleaner



CLMB
Automatic Senior Tip Cleaner

Premium line

Ready-to-use with all the necessary equipment for a successful job

Exclusive solutions
Heavy Duty & Nano

The answer
to your rework needs

Soldering

DIT Soldering station

For industrial soldering jobs with medium and high power requirements.

Includes the **T245-A** General Purpose Soldering Iron.

DIR Precision Soldering station

For industrial precision soldering jobs with medium power requirements.

Includes the **T210-A** Precision Soldering Iron.



AL Auto-feed Soldering station

For intensive and/or single handed soldering jobs.

Automates the soldering process by feeding solder wire. You can select the length and the feed rate of the tin wire.



Desoldering

For desoldering small and medium-sized insertion components and for cleaning circuits with SMD components.

DIS Desoldering station with Electric pump

Includes the **DR560-A** Desoldering Iron.

DSS Micro Desoldering station with Electric pump

Includes the **DS360-A** Micro Desoldering Iron.

DIV Desoldering station with Pneumatic pump

Includes the **DR560-A** Desoldering Iron.

A compressed air source is necessary at the operator's bench.



Rework

For soldering and desoldering all types of components quickly and safely. Work simultaneously with up to 2 different tools.

DDSE

Rework station with Electric pump

DDVE

Rework station with Pneumatic pump

A compressed air source is necessary at the operator's bench.



Hot Air

For soldering and desoldering all types of SMD using hot air with extractors or protectors.

JT

Hot Air station

Includes the JT-TA Heater Hose set.

TE

Precision Hot Air station

Includes the TE-TB Precision Heater Hose set.

JT-Q & TE-Q

Hot Air stations without extractor desk



Control
Airflow &
Temperature

Build
your own
profile

The Complete Solution

RMSE

Complete Rework station with Electric pump

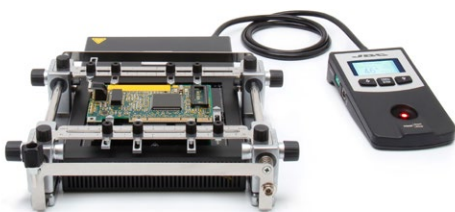
RMVE

Complete Rework station with Pneumatic pump

PHS-K

IR Preheater Set

For preheating multilayer PCBs by applying infrared.



High Power

250 watt peak power

HDE

Heavy Duty station

This is the ideal solution for high thermal demand or prolonged soldering applications such as the production of solar panels, multi-layered circuits and components of large dissipation surfaces.

This station works with the **T470 Heavy Duty Handles** and C470 Cartridges.



Nano Technology

The finest soldering cartridge in the world; only 0.1 mm

NASE

Nano Rework station

Includes the **NT105-A** Nano Purpose Soldering Iron and the **NP105-B** Steady Nano Tweezers.

NANE

Nano Soldering station

Includes two **NT105-A** Nano Soldering Irons.



Total **temperature control** with our new pedal option.

Used worldwide by:

Siemens
Apple
Rockwell Collins
bq

Flextronics
Sanmina
Huawei
Boeing

Continental
Visteon
Google
Intel

FoxConn
Motorola
Jabil
Commscope

Present in the following sectors:

Automotive, Consumer electronics, Medical, Military, Aviation & many more...

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