



| **L I B E R A T E**  
| Y O U R   W O R K D A Y



**INTELLIGENT**  
TORCH SOLUTIONS

ARC T SERIES

# SAY HELLO

TO OUR VISION OF THE FUTURE

A man with short brown hair and a light beard is looking directly at the camera. He is wearing a blue and black high-visibility jacket. On his left shoulder, a black torch with a pink tip is slung. In his right hand, he holds a thick black cable that loops over his shoulder and ends in a torch head. The jacket has a logo on the left chest that reads 'a TORCH TECHNOLOGY' and 'INTELLIGENT TOOLS'.

a  
TORCH  
TECHNOLOGY  
INTELLIGENT TOOLS

## **Our Story**

Every brand has a story; every brand is a story.

What is our story ?

It's simple - to design and manufacture technically superior welding torches which make work life easier.

## The Epitome of Research, Design and Development

To produce hand tools that reach the pinnacle of performance, durability and functionality you have to be passionate about what you do.

The research and development department is the beating heart of our company.

Every single component is conceived, developed, manufactured and tested in-house.

Our development and testing activities are loaded with cutting edge technologies, many of which have been developed specifically by us to meet the very stringent demands we place on our design solutions.

These specialized, bespoke solutions allow us to develop products that surpass the prerequisite of industry standards, inventing increasingly more beneficial products that deliver maximum results for the welder.

**This is not business as usual.**



## How Did We Do It?

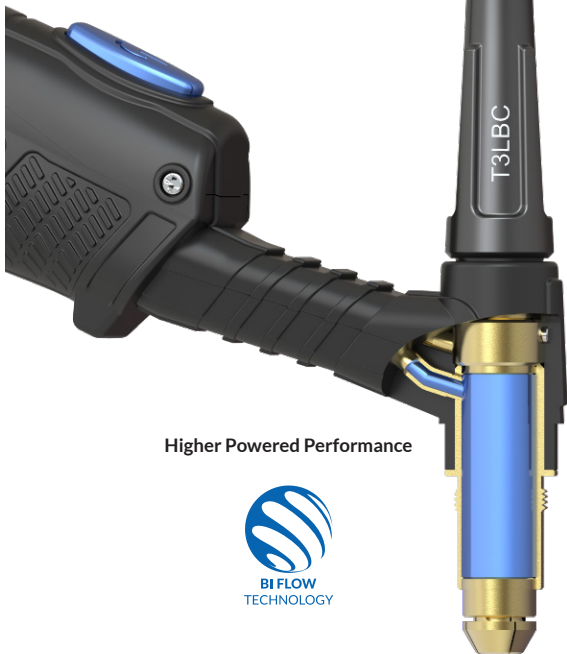
The range utilizes new and groundbreaking torch technologies in order to achieve revolutionary power to weight performance.



## BI FLOW TECHNOLOGY

### Increased Capacity Liquid Cooling Systems

Re-engineered high capacity cooling chambers remove excessive heat at source.



Higher Powered Performance



## FORCE COOLING TECHNOLOGY

### Gas Stream Cooling

A highly effective series of passages and wells force cools the collet.

The cooler running collet assembly maximises conductivity and extends consumable life.



## HZI TECHNOLOGY

### Heat Zone Isolation Technology

Transferred heat from the ceramic cup is isolated by a unique external barrier.

Conducted heat is isolated using large air pockets within the torch body structure resulting in cooler running torches with increased power to weight performance ratios.





## TRS TECHNOLOGY

### Tungsten Release System

Trouble free extension of the electrode with a 180° twist of the back cap.



Quick and easy extension of the electrode without the removal of any other wear parts





## High Performance Air-Cooled Series

Medium and heavy duty TIG applications around the world demand rugged, precision welding tools.

Air-cooled torch performance peaks at 240 Amp DC, 170 Amp AC. An unequalled performance level and quantum leap in Air-cooled power thresholds.

Designed utilizing:



**HZI**  
TECHNOLOGY



**FORCE COOL**  
TECHNOLOGY



**BI FLOW**  
TECHNOLOGY



**TRS**  
TECHNOLOGY

## RUGGED AND DURABLE WELDING TOOLS

A clinical focus on detail has pushed capabilities of the Air-cooled high-performance series.



Efficiency benefits in:

- Torch performance and power thresholds
- Wear parts durability and longevity
- Laminar gas flow and electrode “stick out”
- Gas seal integrity
- Trouble free electrode extension

| **This is not business as usual.**

## TECHNICALLY SUPERIOR

TO MAKE WORK LIFE EASIER



## High Performance Liquid-Cooled Series

Liquid-Cooled welding torches over 400 Amp provide a quantum leap in power to weight ratios and wear parts durability.

Marginal gains realized at every critical stage of component design lead to enhanced performance for increased arc time and lower overall production costs.

Designed utilizing:



**HZI**  
TECHNOLOGY



**FORCE COOL**  
TECHNOLOGY



**BI FLOW**  
TECHNOLOGY



**TRS**  
TECHNOLOGY

## MARGINAL GAINS AT EVERY LEVEL FOR MASSIVE GAINS IN PRODUCTIVITY



### Improvements attained:

- Torch performance and power weight ratios
- Wear parts performance thresholds and longevity
- Laminar gas flow and electrode “stick out”
- Gas seal integrity
- Trouble free electrode extension

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**TECHNICALLY SUPERIOR**  
TO MAKE WORK LIFE EASIER

A man with short brown hair and a light beard is looking directly at the camera. He is wearing a blue and black high-visibility jacket with reflective yellow-green stripes. He is holding a black torch with a silver nozzle. The background is plain white.

**SAY HELLO**

TO OUR VISION OF THE FUTURE

**ARC M**

**arc**<sup>®</sup>  
TORCHLOGY  
INTELLIGENT TORCH SOLUTIONS

**Arc Mig and Tig Torches**

**MAKE WORK LIFE EASIER**

To find out more, sign up to our newsletter  
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ARC T HIGH PERFORMANCE SERIES

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