



| **LIBERATE**  
YOUR WORKDAY



**INTELLIGENT**  
TORCH SOLUTIONS

ARC M SERIES

# SAY HELLO

TO OUR VISION OF THE FUTURE



## **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.

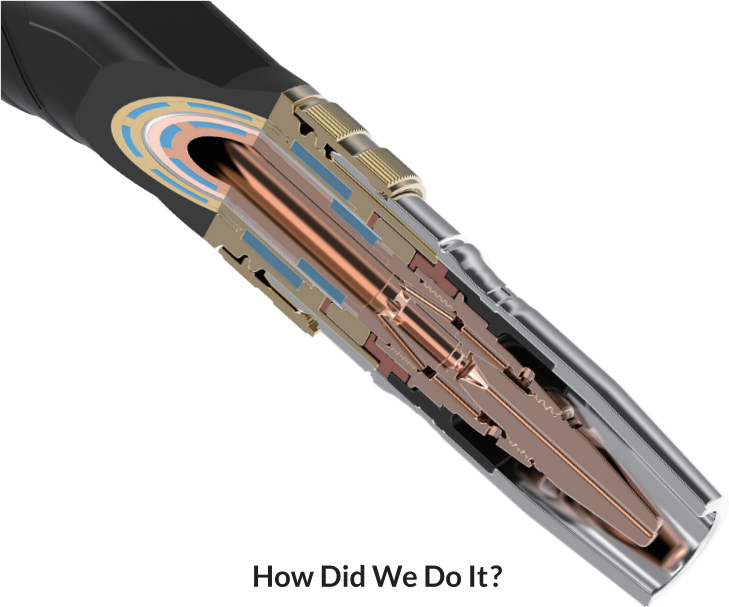
The research and development department is the beating heart of our company.

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 offer a quantum leap forward in power output and wear parts durability.



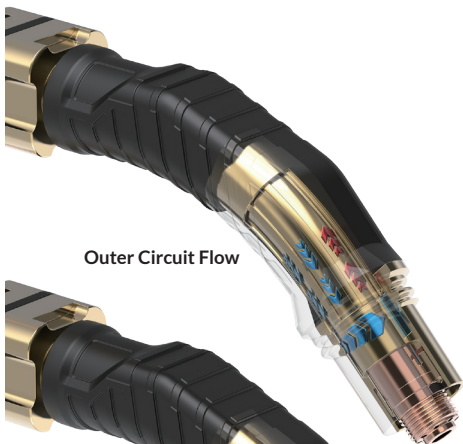


## TECHNOLOGIES EXPLAINED

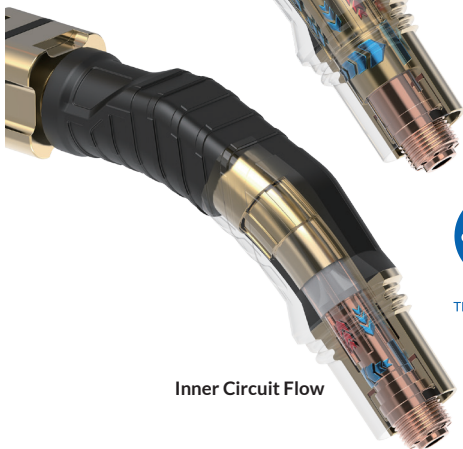
## BI FLOW TECHNOLOGY

### Increased Capacity Liquid Cooling Systems

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



Outer Circuit Flow



Inner Circuit Flow



## FORCE COOLING TECHNOLOGY

### Gas Stream Cooling

A highly effective series of passages and wells have been developed to force cool the contact tip.

The cooler running contact tips maximize conductivity and extend consumable life.





## NRS TECHNOLOGY

### Nozzle Retention System

NRS Technology combines a Liquid-Cooled nozzle seat and a push-on nozzle with a threaded retention system. The design solutions force cool the nozzle, aid spatter removal and increase front-end wear parts durability.



## SIC TECHNOLOGY

### Spatter Isolation Chamber

A uniquely designed spatter "well" accumulates molten metal particles safely and works in conjunction with the nozzle retention system for trouble free removal of the nozzle and spatter ring.



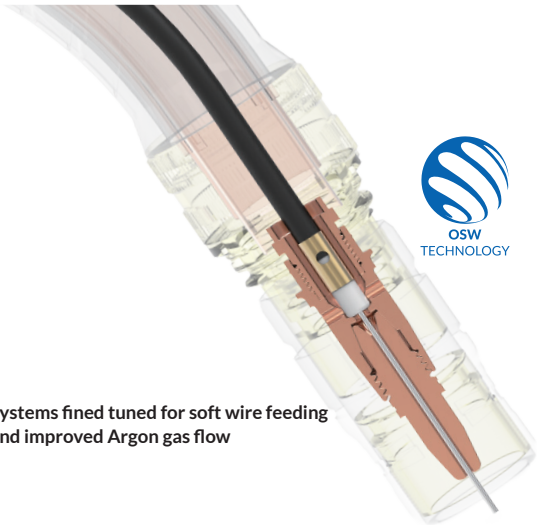
## OSW TECHNOLOGY

### Optimized for Soft Wire Welding

Hard and soft wire welding processes are very different.

From drive roll to contact tip every small detail that affects soft wire welding has been considered.

Technical design solutions have resulted in a more efficient delivery of the filler metal from the machine to the torch head and a specific front-end wear parts design is " optimized for soft wire welding "



**Systems fined tuned for soft wire feeding  
and improved Argon gas flow**



## Light Industrial Air-Cooled Series

The Arc Light Industrial Mig Range tackles everyday jobs effortlessly. Air-Cooled torches under 250A CO<sub>2</sub>, 220A mixed gas focus on weight, balance and ergonomics.

New cable systems and knuckle joints make easy work of light Industrial processes.

Armoured swan necks and unique front-end wear parts add to the durability and reliability of the range.

Designed utilizing:



## MAKING EVERYDAY JOBS EFFORTLESS

With focus on weight, balance and wear parts durability the new range offers the latest in cutting edge professional welding tools.

### Improvements attained:

- Torch performance to weight ratios
- Weld spatter accumulation and removal
- Argon gas sealing
- Laminar Argon gas flow for bright and clean welds

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## TECHNICALLY SUPERIOR

TO MAKE WORK LIFE EASIER





## High Performance Air-Cooled Series

Medium and heavy industrial applications around the world demand rugged, durable performance welding tools.

Air-Cooled torches over 280A CO<sub>2</sub>, 250A mixed gas focus on performance and power output.

All high performance Air-Cooled Mig torches utilize new and ground breaking torch technologies to offer the latest in cutting edge professional welding tools.

Designed utilizing:



FORCE COOL  
TECHNOLOGY



SIC  
TECHNOLOGY



OSW  
TECHNOLOGY

## RUGGED AND DURABLE PERFORMANCE WELDING TOOLS

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

### Improvements attained:

- Torch performance to power ratings
- Nozzle performance and durability
- Weld spatter accumulation and removal
- Tip working temperature and softening thresholds
- Argon gas sealing
- Laminar Argon gas flow for bright and clean welds

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## High Performance Liquid-Cooled Series

Liquid-Cooled torches over 380A CO<sub>2</sub>, 350A mixed gas provide a quantum leap in power output to weight ratios and wear parts durability.

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

Designed utilizing:



BI FLOW  
TECHNOLOGY



FORCE COOL  
TECHNOLOGY



NRS  
TECHNOLOGY



SIC  
TECHNOLOGY



OSW  
TECHNOLOGY



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

### Improvements attained:

- Torch performance and power ratings
- Nozzle performance and durability
- Weld spatter accumulation and removal
- Tip working temperature and softening thresholds
- Argon gas sealing
- Laminar Argon gas flow for bright and clean welds

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A man with short brown hair and a light beard is looking directly at the camera. He is wearing a blue and black high-tech work jacket with reflective yellow-green stripes. He is holding a large, thick black cable over his right shoulder and a black tool with a pink tip in his left hand. The background is plain white.

**SAY HELLO**

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TOR  
INTELLIGENT TO

**Arc Mig and Tig Torches**

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To find out more, sign up to our newsletter  
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