

Pyrotechnics Capabilities & Manufacturing Excellence

WESCOM
GROUP



Unparalleled Heritage

Wescom Group are the leading manufacturer of marine pyrotechnics including distress signalling and bridge safety equipment. With over 150 years of experience developing the highest quality products with world renowned brands Pains Wessex and Comet.

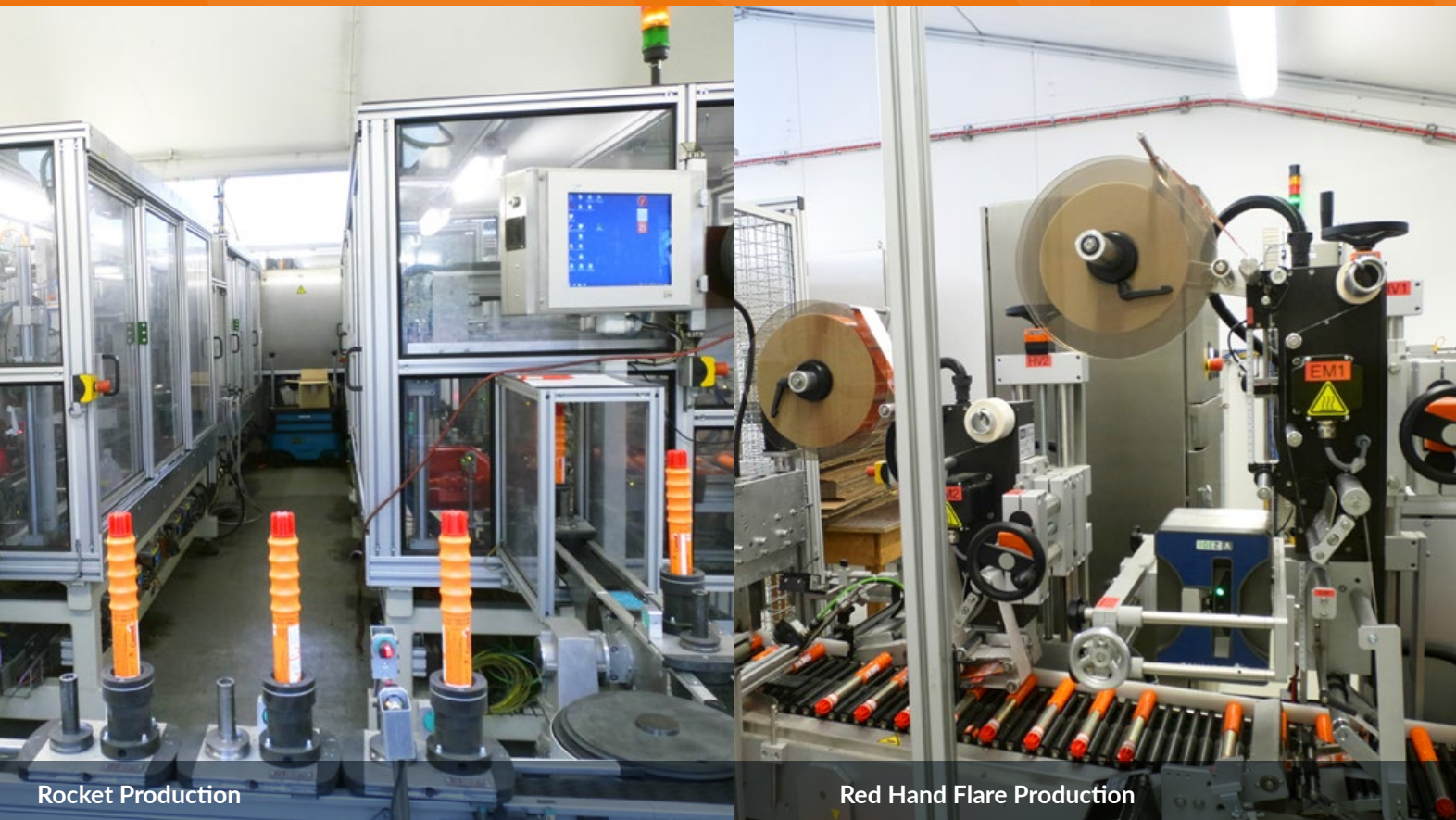
Manufactured at our Germany site in Bremerhaven, with distribution hubs in Spain, UK and Australia, Wescom Group's pyrotechnics are built to strict European quality and safety standards, holding ISO 15736 and ISO 9001:2015 and annual flag state approvals for SOLAS accredited pyrotechnics that are recognised for their reliability and performance

Tried and Tested Performance

Multi- stage in-house controls include quality testing of compositions and semi complete components before they enter final production and batch testing of all lots before distribution. This helps ensure our marketing leading consistent performance is at the heart of our pyrotechnics manufacturing.

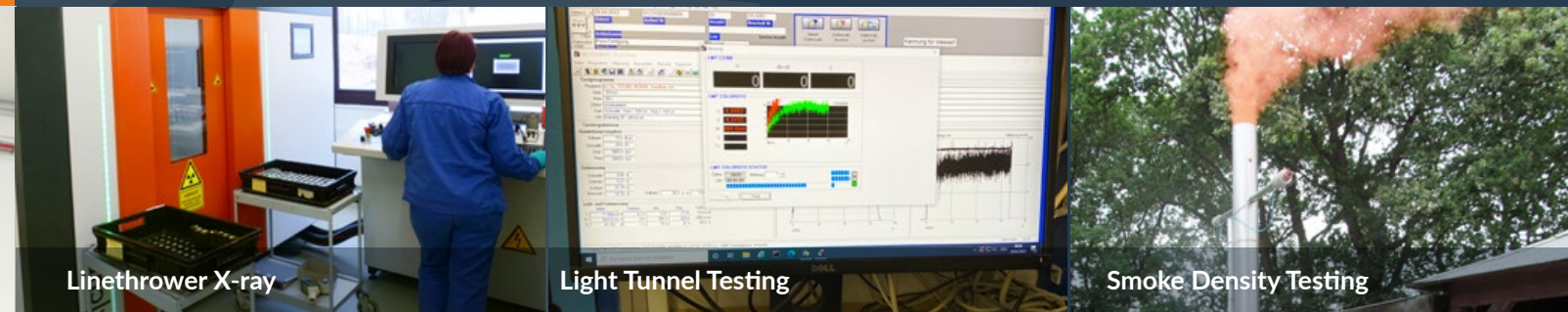
Product performance on height, brightness, duration, colour and activation safety delays, meet and exceed stringent SOLAS standards.

Our Bremerhaven site combines world class facilities, production processes, and engineering expertise, to offer ongoing performance improvements and unmatched quality controls.



Rocket Production

Red Hand Flare Production



Linethrower X-ray

Light Tunnel Testing

Smoke Density Testing

Wescom's Quality Controls include:

- ✓ Unique X-Ray process of every rocket propellant to identify and remove irregularities that could impact flight performance of our line throwers.
- ✓ Light Tunnel testing of every batch to review compositions of our rocket stars and hand flares to meet light and colour requirements on activation.
- ✓ Smoke Density testing of our Lifesmoke and MOB's compositions to ensure optimal performance on all batches before they go into production
- ✓ Rocket Thrust testing to ensure the power of our parachute rocket motors in every batch meet our power requirements to reach maximum height even in strong winds and minimise combustion on the ground.

Manufacturing Excellence

Wescom Group manufacturing distinction comes from our unique German production facility, that utilises state of the art equipment, designed and manufactured onsite by our engineering team, to create the world's only automated pyrotechnics assembly line.

Combined with our resilient supply chain, Wescom has the ability to produce large volumes of consistently high quality, reliable products on demand.

Working within the ISO 15736 and ISO 9001:2015 quality frameworks, our detailed processes ensure consistency. From raw material sourcing, product development, assembly, packaging and testing, experience drives everything we do. As a result, Wescom Group has the confidence in our accredited pyrotechnics to holds annual independent testing for SOLAS flag state approvals.

Our automated manufacturing systems help ensure the performance consistency our customers have come to expect.



Designed for Safety

Wescom's decades of experience has helped create a sophisticated range, with features that support distribution, while maximising user safety and product performance.

For example, our distinctive extendable hand flares are compact for transportation and stowage in life rafts, while supporting effective licencing storage limits with their low net explosive content design. Like the rest of the range, they are colour coded, have standardised labelling and have product caps that help identification of product type by touch in poor visibility.

Our design team have focused on usability, with independently certified deployment delays, grip areas that identify optimal holding position and a feature pull string toggle system for ease of activation.



Trusted by Professionals

As an active member of professional standards organisations, such as ILAMA and the FSR (the association of Sea Rescue Equipment) Wescom Group helps to maintain and drive future standards in safety.

Our comprehensive range of quality pyrotechnics are also widely adopted by the professional search and rescue communities, including Germany's DGzRS and the UK's RNLI, for distress signalling, illumination and coordination of recovery operations.

We know that not all pyrotechnics are the same and Wescom Group's highly skilled production team are incredibly proud of our range. From high quality components to rigorous independent testing and advanced automation, Comet and Pains Wessex pyrotechnics are the global leaders in distress pyrotechnics, offering our customers safety solutions you can trust.

Advanced Pyrotechnics Manufacture

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Light Chamber

- ✓ Measure activation brightness
- ✓ Confirm colour spectrum



Independent Testing

- ✓ Confirm product reliability
- ✓ Meets SOLAS standards



X-Ray Checks

- ✓ Quality Inspection
- ✓ Ensure product performance



Innovation

- ✓ Compact size
- ✓ Low NEC (Net Explosive Content)



Automation

- ✓ High quality & product consistency
- ✓ Large scale production

PainsWessex

Comet