

MERLIN - Heat & Coat Systems

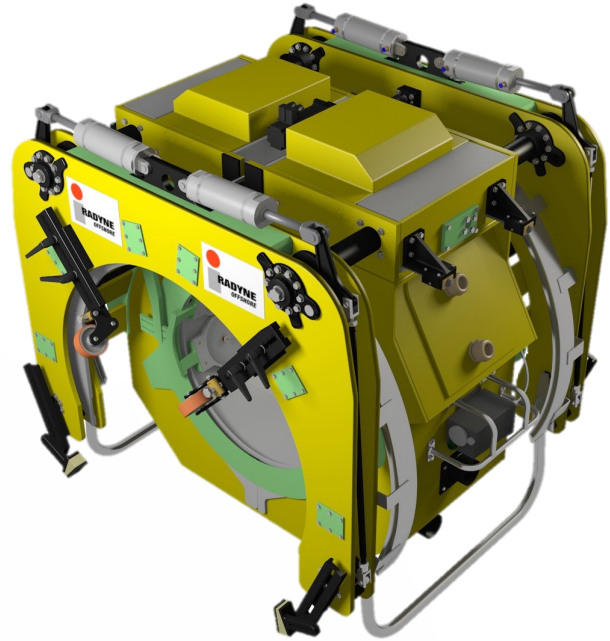
Field Joint Processing Solutions for the Offshore Industry



Radyne Merlin Systems deliver the most efficient means of heating and coating field joints by carrying out both operations simultaneously.

This is a major benefit to offshore pipe laying organisations as the Merlin System provides a reduced field joint processing cycle time, allowing a faster throughput of pipe preparation prior to laying.

- **Integrated induction coils in an easy automated open/close system**
- **Fully automated precision control and application of a two-coat FBE and co-polymer coating**
- **Multiple coating heads providing a faster, more even coating**
- **Vertical and Horizontal operational capability**
- **Standard modular frames and assemblies allow for simple in-field reconfiguration for multiple applications**



Low temperature pyrometers and associated electronics are also included. The pyrometers will measure surface temperature of the steel pipe prior to the application of the FBE coating. Once the surface has reached a pre determined temperature, the pyrometer will trigger the FBE coating process

For further information on Radyne Offshore Systems please contact Inductotherm Heating & Welding Ltd on:

+44 (0) 1256 335533

info@inductothermhw.co.uk

www.inductothermhw.com

OD	Nominal Coil Size	FBE Thickness	Total layers	Min time to complete coating
<i>nom</i>		<i>[µm]</i>		<i>[s]</i>
8	10	350	7	55.1
10¾	10	350	8	60.2
12¾	12	350	10	79.1
14	12	350	10	76.9
16	18	350	10	88.7
18	18	350	10	98.0
20	22	350	10	74.0
22	22	350	10	78.1
24	26	350	10	94.3
26	26	350	10	96.2
28	30	350	10	94.4
30	30	350	10	94.9
32	36	350	10	110.9
34	36	350	10	110.3
36	36	350	10	110.8
38	42	350	10	120.4
40	42	350	10	118.0
42	42	350	10	114.6
44	48	350	10	144.1
46	48	350	10	141.8
48	48	350	10	137.2



Leading Manufacturers of Melting, Thermal Processing and Production Systems for the Metals and Materials Industry Worldwide.