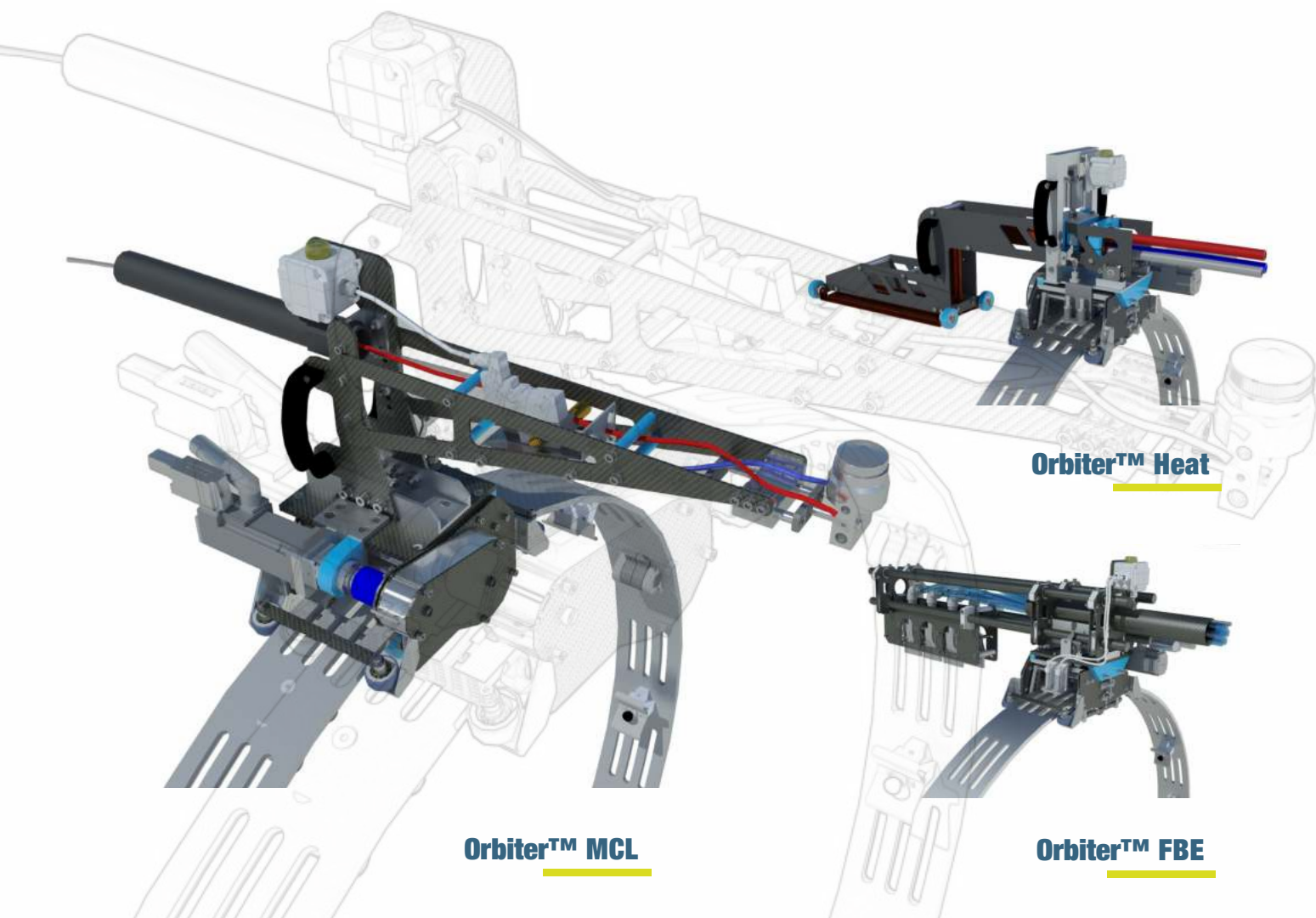


# FJC Orbiter™ MCL

(FJC:FIELD JOINT COATING)

ORBITER™ IS AN INTELLIGENT, FULLY-AUTOMATED AND MODULAR COATING SYSTEM FOR MCL AND FBE



ORBITER™ MCL AUTOMATED COATING ROBOTS OVERCOME THE LIMITATIONS OF CONVENTIONAL COATING EQUIPMENT :

- The Orbiter™ MCL robot system significantly reduces manning levels, and need for lifting equipment
- Material consumption and waste are reduced due to simplified spray nozzle and mixing equipment cleaning.



# Orbiter™ MCL

## Equipment Description

- Low foot print contained in an 8 foot SeaCan container (CCU)
- No specific diameter frame required
- A CARRIAGE is fitted to the track, spare parts necessary for other track diameters
- System versatility
- No more craine required to perform the coating operation ; a single carriage covers the full diameter range with a low cost band
- Orbiter MCL coating ROBOT with umbilical is located to the carriage
- Plural component spray machine (Graco XM50)
- Powered from a mobile compressor with on-board generator

## Orbiter™ Capabilities

- Pipe diameters from under 4" to more than 100"
- Easily scaled for production rates from below 20 jpd to more than 180 jpd
- No mechanical lifting arm required
- Handled by one operative
- Ideal for difficult terrain as the system is light and manually installed
- More than one pipe diameter can be coated on the ROW with the same Orbiter MCL
- Joint widths greater than 1.5 metres can be coated automatically
- HDD Dual layer options are easily accommodated
- Use by non-skilled labour is possible

## Applications

- Two component (MCL) coating systems from all leading suppliers
- Offshore
- Landline
- Spoolbase and fabrication

## Orbiter™ Technical Characteristics

- Pipe diameters from 4" to 60" diameter
- Steep gradient operation >25 degrees
- Orbiter™ MCL has been used in wind speeds up to 35 kph
- "On pipe" equipment less than 15kg so man portable
- Coating rates of circa 1.5m<sup>2</sup>/minute
- Controlled thickness variation over 360o of circumfrence
- Process data saved
- Under pipe clearance below 450mm is achievable



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