

CAPABILITY SHEET

R-Stamp repairs, weld overlay, and fitness-for-service for pressure vessels

MAC Industrial holds an active NBIC R-Stamp authorization for the repair and alteration of pressure vessels. Our welders are qualified per ASME Section IX with WPS/PQR documentation covering carbon steel, low-alloy, stainless steel, and nickel alloy overlay repairs.

We provide complete repair documentation packages including NDE records, PWHT charts, material certifications, and R-1 forms for jurisdiction reporting.

- Nozzle replacement and reinforcement pad repair
- Weld overlay — stainless and nickel alloy cladding
- Internal and external corrosion repair
- API 579 Fitness-for-Service (FFS) assessment support
- Skirt, saddle, and support structure repair
- Full R-1 form preparation and jurisdiction reporting
- Hydrostatic and pneumatic pressure testing
- NDE: MT, PT, UT, RT, PAUT as required by code

- ASME Section VIII Div. 1 — Pressure Vessels
- ASME Section IX — Welding Qualifications
- NBIC NB-23 — National Board Inspection Code
- API 510 — Pressure Vessel Inspection Code
- API 579-1/ASME FFS-1 — Fitness-For-Service