

BUILT SMART.

TECNAR



ROTORWELD



SAME
SHOP.
SAME
CREW.
MORE
OUTPUT.

ROTOWELD
FULLY AUTONOMOUS ADAPTIVE PIPE WELDING



Rotoweld brings advanced automation and welding intelligence together to deliver greater productivity, consistency, and control in pipe fabrication.



**MIG
SAW
TIG** **NEW**

SLIP-ON 
**FLANGE
WELDING**

3 to 48" 
Pipe diameter capacity

1 MIN. / **INCH**
DIA-IN
Root to cap - Standard wall

425 
DIA-IN
Output per 8-hour shift
with a Rotoweld Dual Bay

400% 
Increase in pipe
fabrication productivity



ADAPTIVE PIPE SPOOL WELDING INTELLIGENCE

Integrated vision continuously monitors the weld while PerfectPass-iQ™ adapts welding parameters in real time. From open-root butt welds and slip-on flange welding to multi-pass filling, it maintains consistent weld quality by automatically responding to changing conditions throughout the weld.

BUILT AROUND USER-CENTRIC INTERFACE DESIGN

Built-in welding programs make setup fast and repeatable. Operators can easily select the right program for each job and follow the welding sequence in real time, from root to fill and cap.

COMPATIBLE WITH WORKFLOW TRACKING SOFTWARE

Integrates with MSUITE, STRATUS, and PyeServer to automatically exchange weld IDs, welding programs, and production data. This enables seamless workflow integration and weld traceability.





PRODUCTIVITY TRACKING AND QUALITY CONTROL

TURN EVERY WELD INTO
ACTIONABLE DATA.

Tecnar-Data automatically captures production and welding data from every weld, giving your team the visibility to track performance, document weld quality, and make better production decisions.

ALL YOUR WELD
DATA. ONE PLACE.

Access the complete record of every weld: welding programs, parameter changes, and pass-by-pass video.

QUALITY YOU
CAN TRACK.

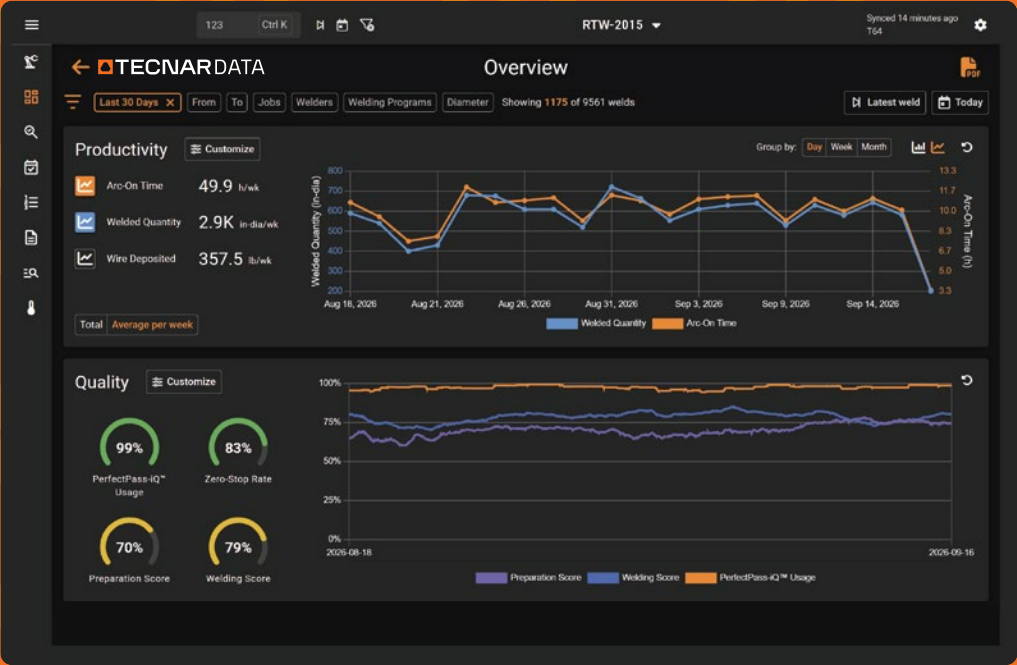
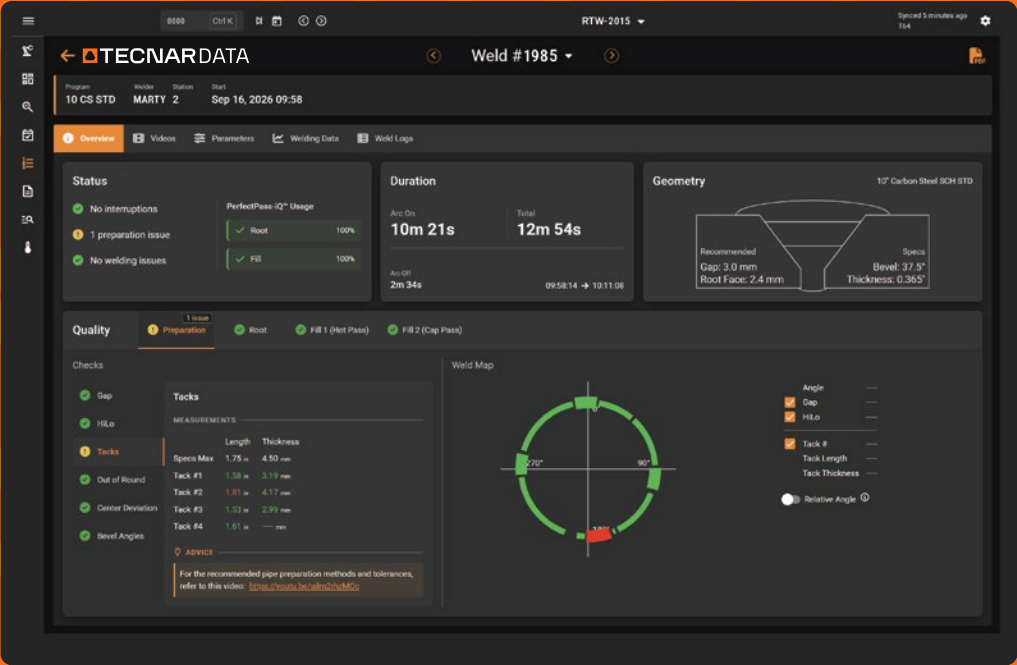
PerfectPass-iQ™ data provides insight into joint preparation and flags critical conditions such as gap and hi-lo.

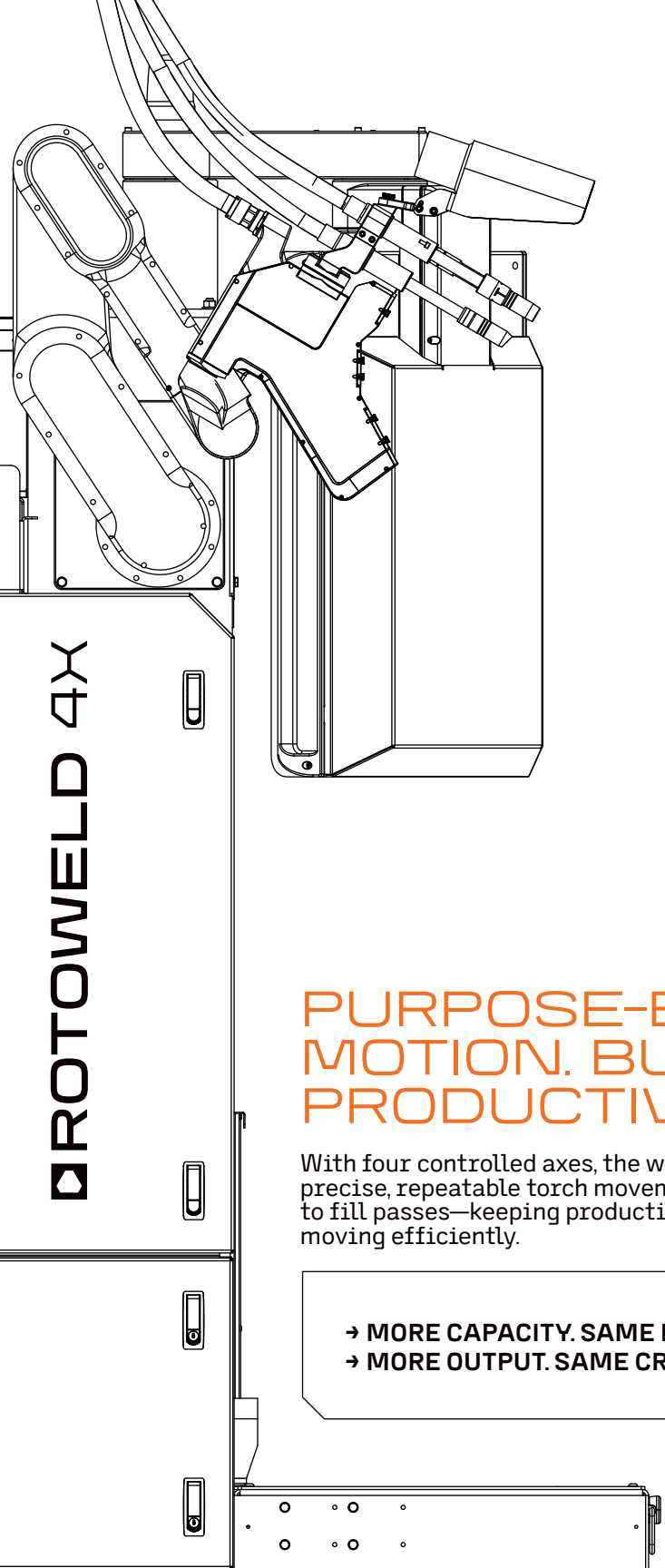
SEE THE
BIG PICTURE.

View productivity and key performance indicators across your operation, with filters by job, product, or operator.

TURN INSIGHT INTO
IMPROVEMENT.

Follow quality and efficiency trends over time to identify opportunities and continuously improve production.





PROTOWELD 4X

PURPOSE-BUILT MOTION. BUILT FOR PRODUCTIVITY.

With four controlled axes, the welding arm delivers the precise, repeatable torch movement required from root to fill passes—keeping production consistent and moving efficiently.

- MORE CAPACITY. SAME FOOTPRINT.
- MORE OUTPUT. SAME CREW.



SIX AXES. MORE APPLICATIONS. FULLY AUTOMATED.

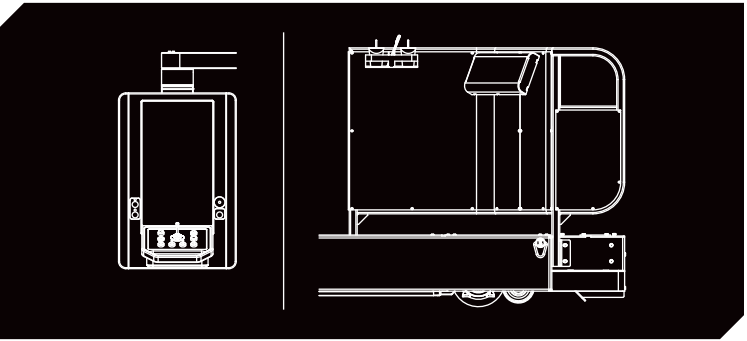
With six controlled axes, the welding arm precisely positions and orients the torch throughout the weld, providing the freedom of movement required to automate more complex welding geometries and applications.

- SLIP-ON FLANGE WELDING
- CLADDING & THICK-WALL STRINGERS

ERGONOMIC WELDING CARRIAGE

SMARTER TECH.
SAFER SPACE.
BETTER ERGONOMICS.

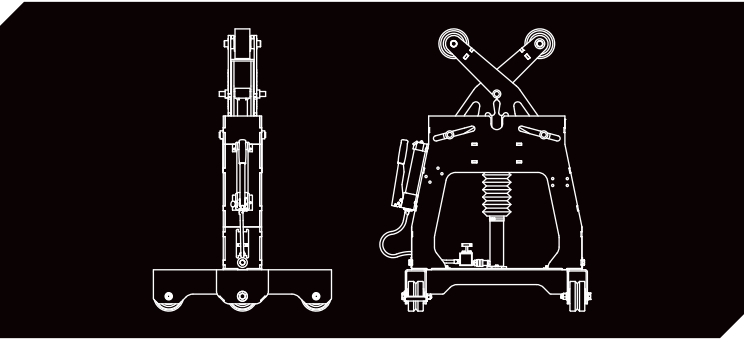
Designed around the operator for better comfort, control, and productivity.



HEAVY-DUTY PIPE STANDS

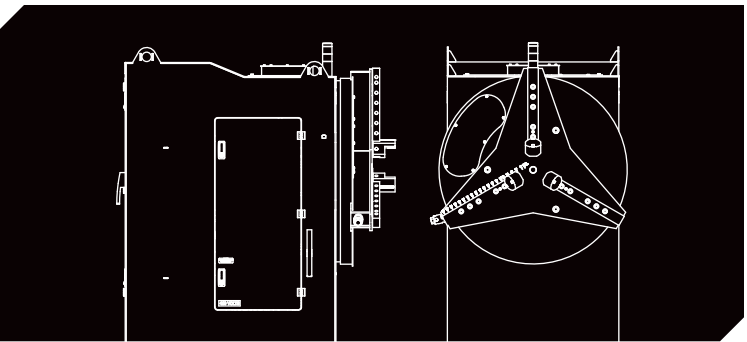
SIMPLE OPERATION.
ROBUST BUILD.
VERSATILE PERFORMANCE.

Designed to move quickly and easily along the rail, these pipe stands stay aligned with the rotator for consistent, accurate pipe positioning.



PRECISE CONTROL.
POWERFUL TORQUE.
SMOOTH ROTATION.

Engineered to align perfectly with the welding arm and rails, the Rotoweld pipe rotator delivers the stability, torque, and precise rotation needed for consistent automated welding.



OPTIONS THAT CAN MAKE THE DIFFERENCE

- FUME EXTRACTOR
- LASER-ASSISTED PERFECTPASS-IQ™
- TIG (GTAW)
- SAW (SUBMERGED ARC WELDING)

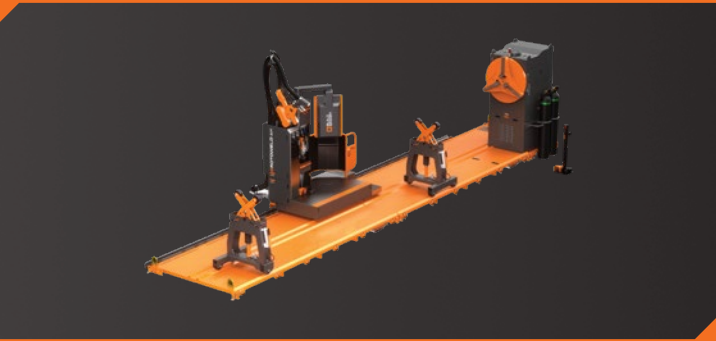
A CONFIGURATION FOR EVERY SHOP



SINGLE BAY

SIMPLE AUTOMATION. FULL CAPABILITY.

One welding bay delivers the full benefits of Rotoweld automation in its simplest configuration—ideal for smaller shops or fabrication of large, heavy pipe.



DUAL BAY INLINE

MAXIMUM TURNABILITY. MORE PRODUCTION.

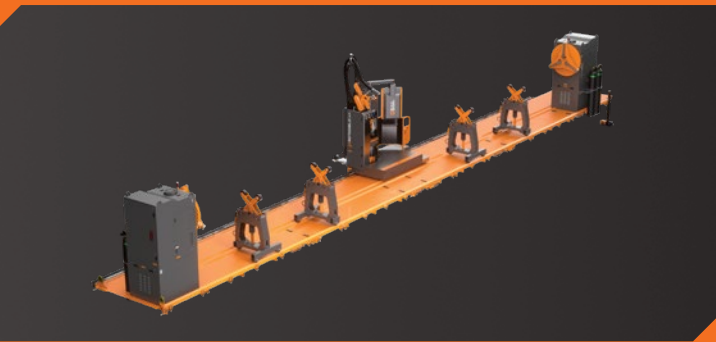
Two inline welding bays maximize spool turnability on both rotators while delivering over 90% arc-on time—even when welding smaller pipe diameters.



DUAL BAY FACE-TO-FACE

MORE SPOOL LENGTH. LESS FLOOR SPACE.

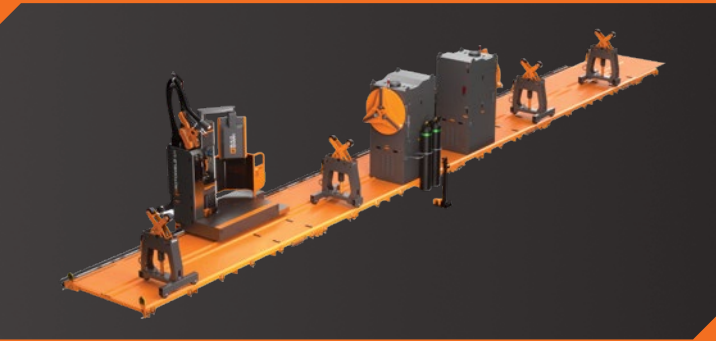
Opposing welding bays accommodate longer spools while keeping the overall system footprint compact.



DUAL BAY BACK-TO-BACK

LONG-PIPE FLEXIBILITY. SHORTER TRAVEL.

Back-to-back welding bays provide long-pipe capability on both sides, while minimizing carriage travel between bays when producing shorter spools.





TECNAR

WELDING TECHNOLOGIES

