
Game 12: Master Weld-Off
The Ultimate AWS D1.1 Qualification
SCORE
120
APM: 320
RANK: ELITE
HEALT: 95%
ENERGY: 95%
Platinum Academy
Gemini Notebook

119 Days of Preparation.
1 Day to Prove Mastery.

Rookie Boot Camp
(OSHA/MIG)

Puddie control, arc length

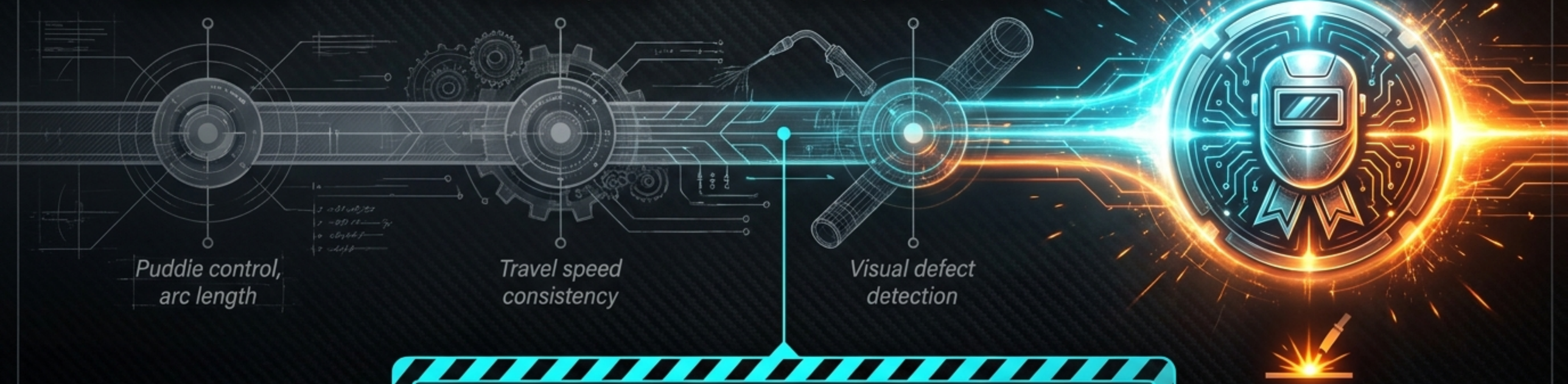
Operator
(TIG/Blueprint)

Travel speed consistency

Pro League
(6G Pipe/Inspection)

Visual defect detection

Day 120: Master Weld-Off



Entry Requirement: Mastery of 1G-4G positions, AWS A2.4 symbols, and 29 CFR 1910.252(d) safety compliance.

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The Virtual Crucible: Game 12 Specifications

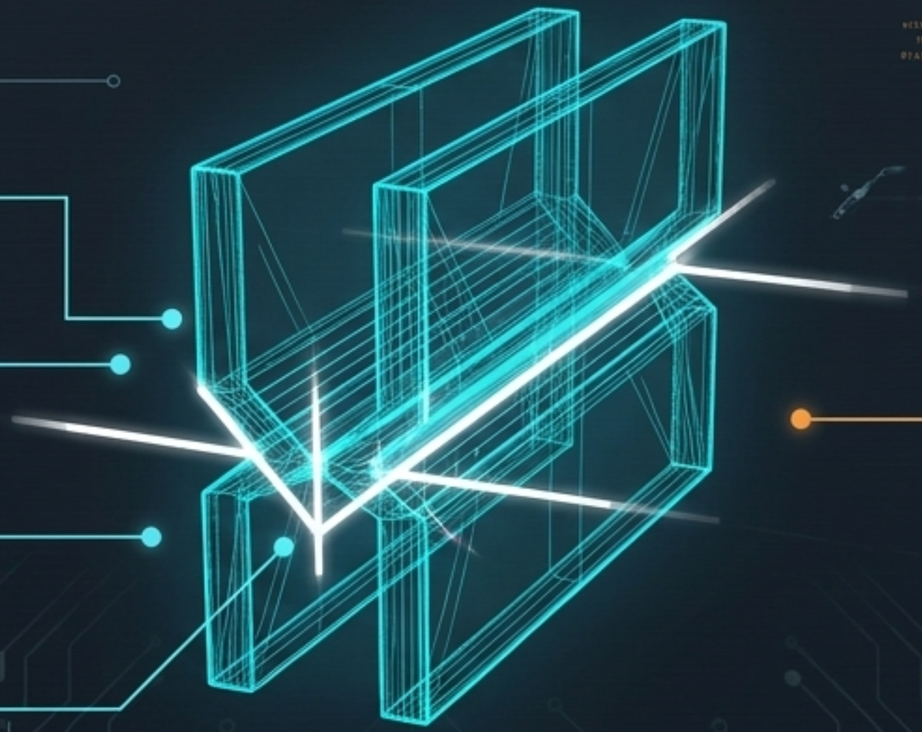
Code Requirements

Target Code:
AWS D1.1 Structural Steel

Thickness:
3/8in

Position:
Multi-pass Groove Weld

Processes:
MIG / TIG / Stick



The Algorithm

Final Score =
(Accuracy * 10) +
(Consistency * 5) -
(Defects * 50)

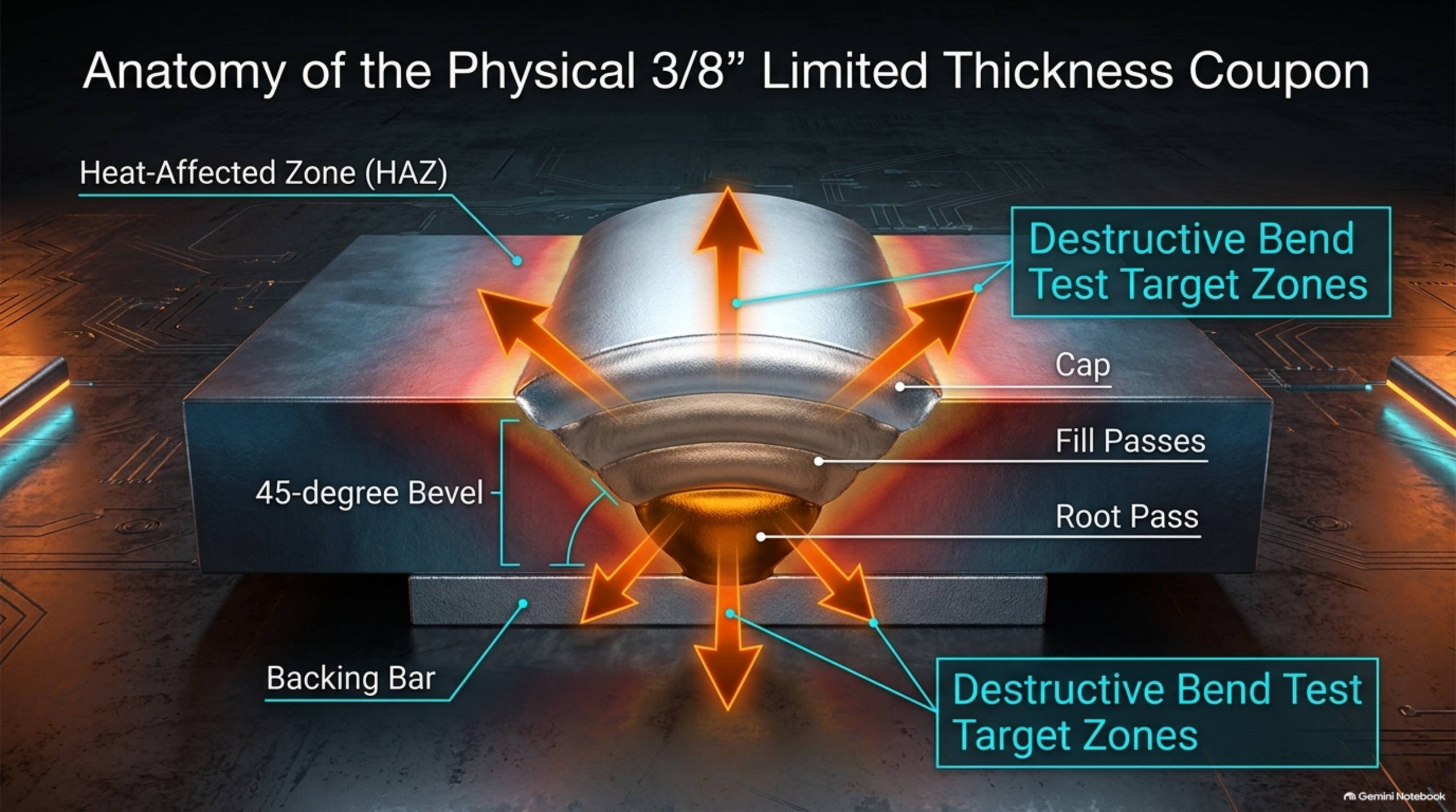
Accuracy 23.8% 10

Consistency 3.E1% 50

Defects 0.8%

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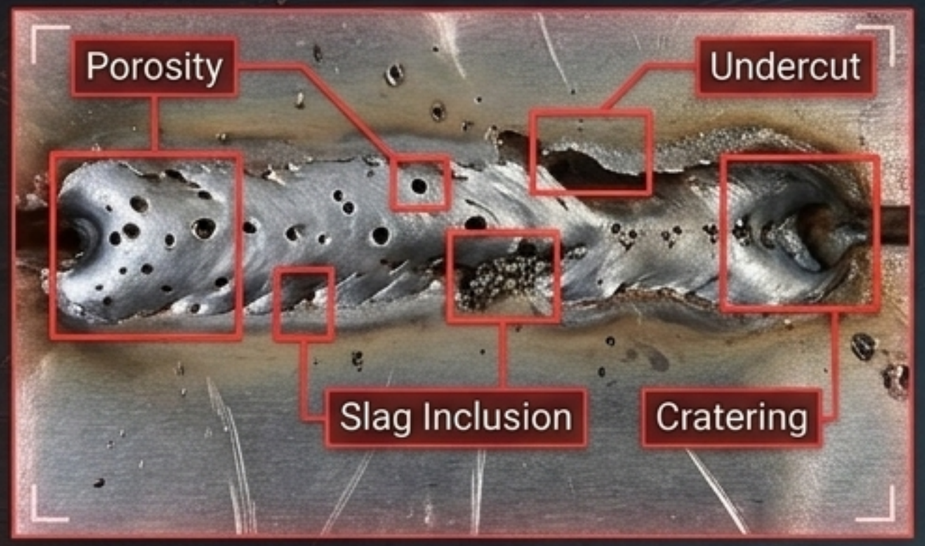
Anatomy of the Physical 3/8” Limited Thickness Coupon



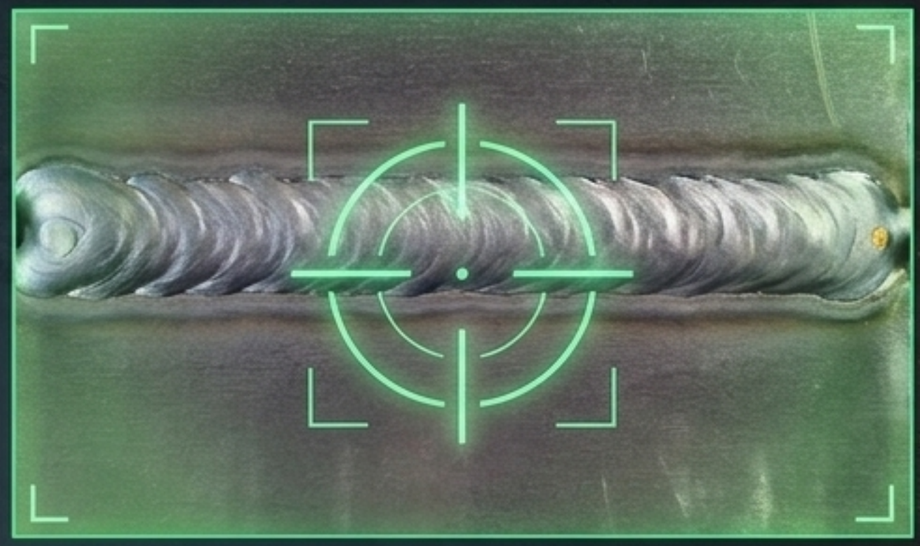
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The First Gate: 100% Visual Inspection (VT)

REJECTED



PASS: AWS D1.1 Table 4.11 Criteria Met

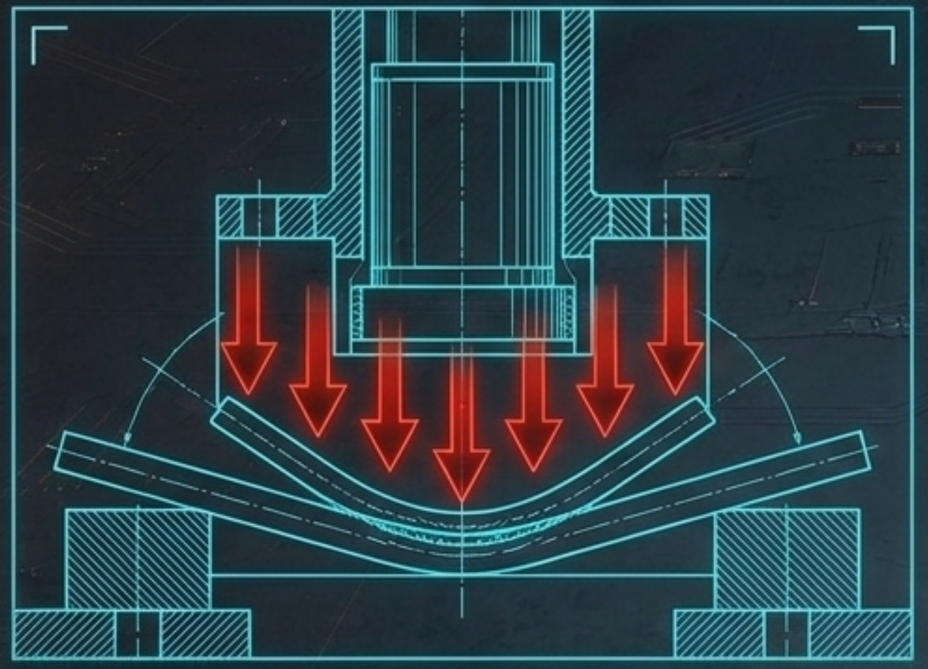


Tolerance: ZERO. Visual inspection must yield 100% compliance before proceeding to destructive testing.

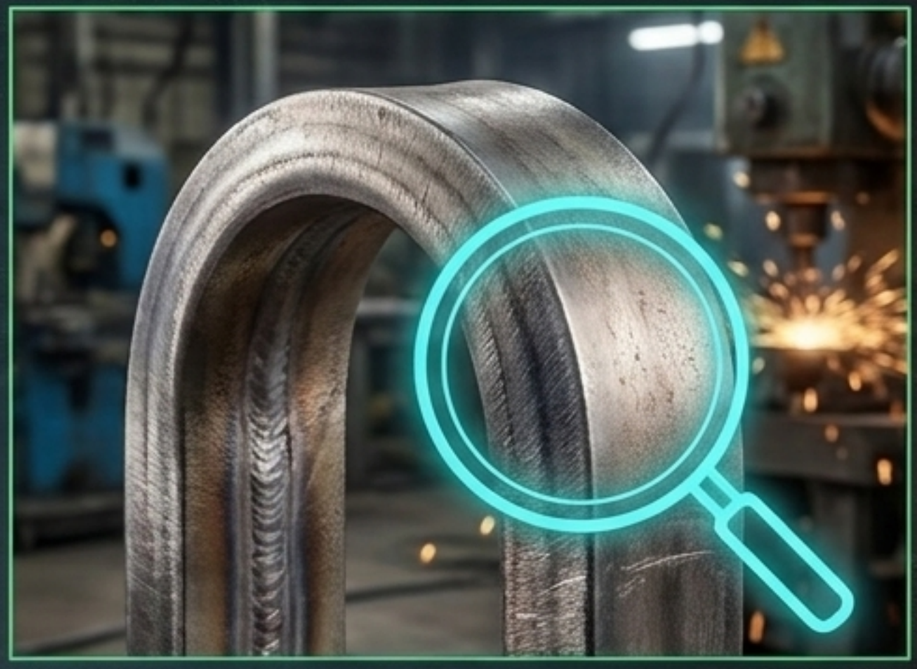
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Destructive Reality: The 180-Degree Guided Bend Test

Hydraulic Force Applied



Zero Cracking, Zero Tearing



You cannot fake a physical molecular bond. The simulation exists to perfectly train the hand to achieve this exact physical result.

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Translating Esports Telemetry into AWS Code Compliance

Game Engine HUD	AWS / OSHA Standard	Physical Laboratory Result
Consistency Score (0-100)	Travel speed variance (5mm/s)	 Even bead profile
Accuracy XP	Arc length maintenance (3mm distance)	 Optimal joint penetration
E-Stop Reaction Time (<0.8s)	OSHA 29 CFR 1910.252(d) compliance	 Zero workplace safety incidents

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The Telemetry of a Master: Remote Robotic Teleoperation



Signal Survival

DANGEROUS PACKET LOSS

CAMERA FREEZE



Puddle Control: Maintained
E-Stop Execution: <0.8 seconds
Status: OSHA Compliant Teleoperator

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The Day 120 Championship Tournament Pipeline

1



Live Virtual Qualifiers

2



Physical Coupon Booth

3



Lab Destructive Test

4



Live Carrier Draft

Mandatory Mail-In Step:
Bridges the gap between the virtual tournament score and official CWI physical verification.

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The Platinum Tier Dual-Mandate

The Steel



Job-Ready Structural Welder
Physical AWS D1.1 Certified.

10,000 XP
+ 95% Accuracy
+ Zero Defects

The Signal



Remote Robotic Operator
OSHA Compliant Teleoperator.

We are not just training welders; we are forging hybrid industrial technologists.

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From Verified Rank to Immediate Requisition



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Bridging the Screen and the Steel



Welder Esports: Where high-tech simulation forges heavy-industry reality.

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