

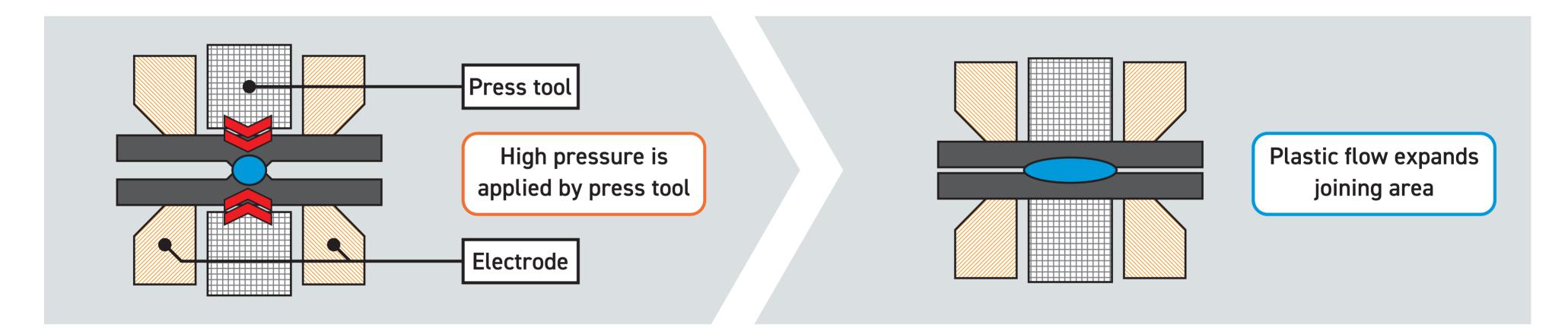
New Process Contributes to Improving Joint Quality of Ultra-High Strength Steel (UHSS).



Solid-State Resistance Spot Joining "Cold Spot Joining"

New Joining Technology for Ultra-High Strength Steel at a Low Temperature

The utilization of plastic flow under high pressure enables joining at low temperatures



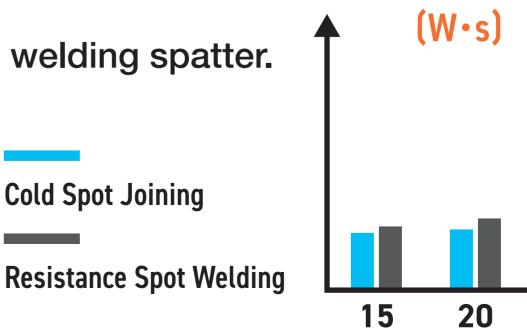
Make a Contribution to Reduction of Environmental Impact

- Reducing industrial wastes and improving work environment by reducing welding spatter.
- 68% reduction in power consumption compared to resistance spot welding.





*Joint research with Osaka University



Cold Spot Joining

Power consumption

68% reduction

30

(kN)

25