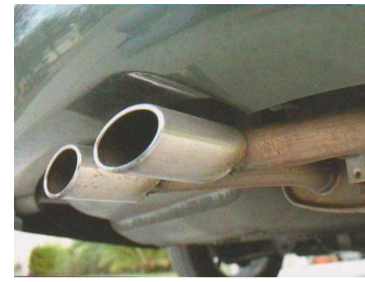


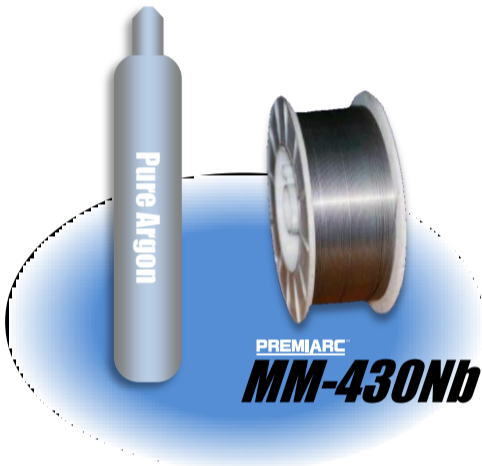
Welding Consumables for Automotive Industries

Welding Consumables for Exhaust Parts

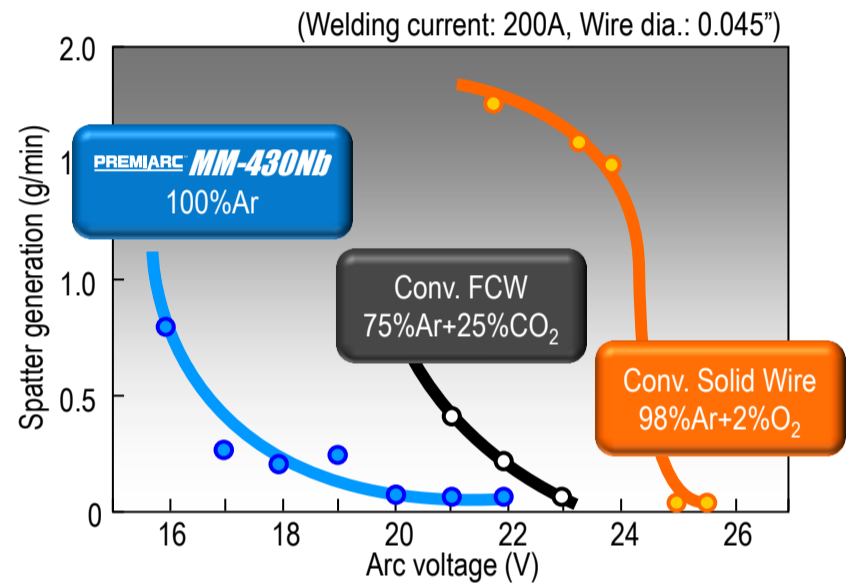
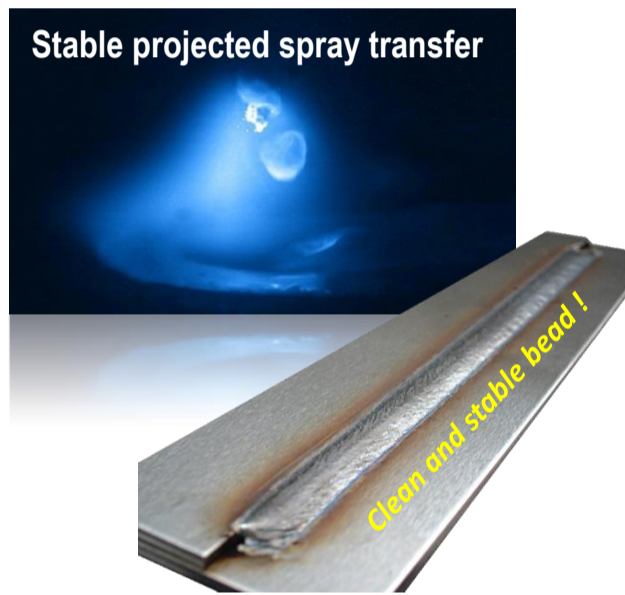
Product name	Type of Product	Chemical composition (%)						
		C	Si	Mn	Ni	Cr	Nb	N
PREMIARC MM-430Nb	Metal cored wire	0.017	0.02	0.17	-	16.3	0.62	0.008
PREMIARC MX-A430M	Metal cored wire	0.047	0.40	0.14	0.08	17.0	0.75	0.043
PREMIARC MG-S430Nbs	Solid wire	0.012	0.88	0.29	0.21	18.1	0.56	0.011



New MIG Process
MX-MIG

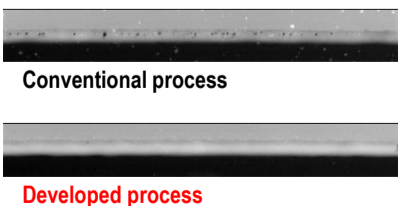
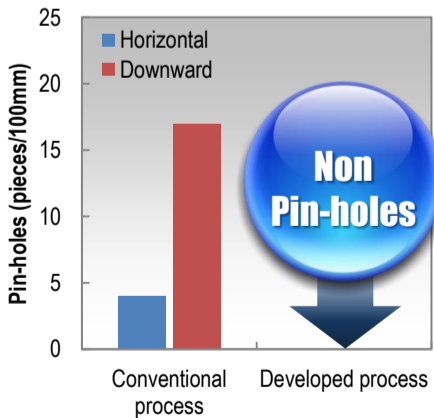
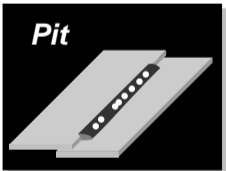


New MIG Welding Process with Pure Argon Shielding Gas



Welding Solution for Galvanized Steel Sheets

Reduction of porosity defects



Blowholes

OTC
Pulse MAG/MIG automatic power source
Welbee Inverter P500L

KOBELCO
Solid wire
FAMILIARC MIX-GZn

Reduction of spatter generation

OTC
Welding Robot Almega Premium Friendly Series
FD-B4

J-Solution™ Zn

Shielding gas
Ar + CO₂ mixture

Conventional process

Developed process

Spatter reduction 60%