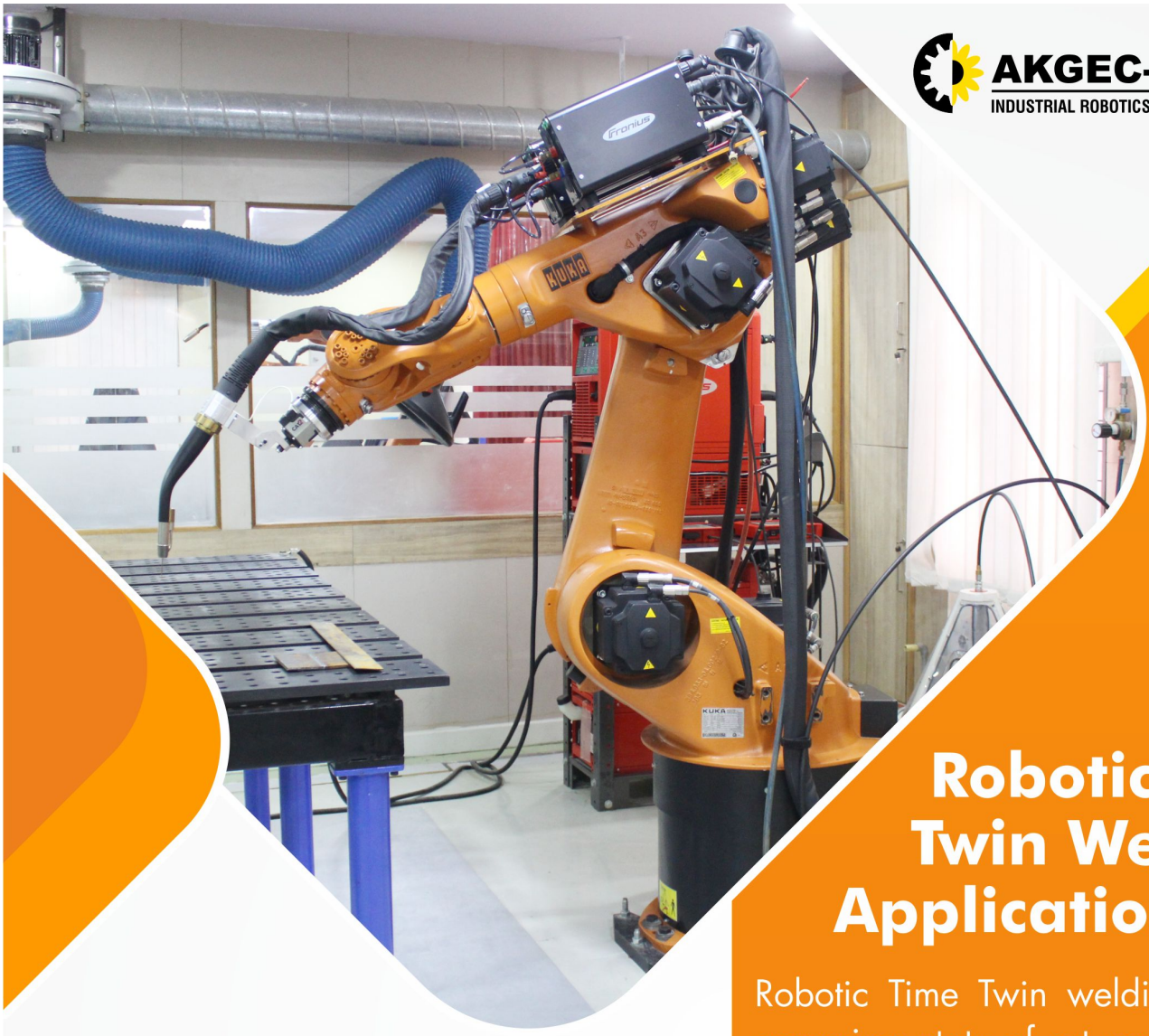
AKGEC-KUKA
INDUSTRIAL ROBOTICS TRAINING CENTRE



Robotic Time Twin Welding Application Cell

Robotic Time Twin welding process comprises state of art synergic pulse based two power sources, one welding torch and two separate "leading" and "trailing" contact tips. The synchronized system and process technology is unique on the market and ensures an extremely stable arc, from the start of welding through to the filling of the end-crater. This setup is capable of achieving highest productivity and shortest cycle time in welding operation. Robotic Time Twin is equally suited to mechanized and automated applications, for example in the automotive and component supply industries; ship, apparatus and container construction; in the production of rail vehicles.

Robot Specification:

Model	:	KUKA KR 30
Rated Payload	:	30 Kg
Maximum Reach	:	2033 mm
Repeatability	:	±0.15 mm
Controller	:	C4

Welding Gun Specification

Make	:	Fronius
Model	:	TPS 4000
Supply	:	3-Phase
Current Range	:	03-400 A
Working Voltage	:	10-36 V
Efficiency	:	88%