

1 About UCT

1.1 UCT in Brief

United Coatings Technologies Co. (UCT) is a recognized thermal spray company in China, who provides thermal spray systems, peripheral components, materials, and coating development services under one roof. UCT has two facilities in China, the headquarter in Beijing and a division in Hangzhou, covering 15,000 sqm operation area in total.

UCT's thermal spray equipment products line covers Combustion, Arc, Air Plasma, HVOF, Detonation and Cold spray systems. For all these equipment products, both semi-automated and fully automated versions are available for customers to choose. Meanwhile, UCT has sound capabilities on designing and manufacturing tailored made peripheral components for a thermal spray installation which practically suit to customers' specific operations. Full line of thermal spray peripheral components including turntable, lathe, multi-axis manipulator, booth, dust collector, torch rotor (can rotate an ID gun continuously inside a tube part) etc. are UCT's regular and reliable products today being widely applied in China's aero, gas turbine, auto, electronics, semiconductor, and steel industries. UCT also provides automatic thermal spray line for mass production. In Year 2009, UCT achieved both ISO9001 and AC9100 certifications.

Besides systems, UCT also provides powder and wire for thermal spray use. Please contact your local UCT's correspondents for more information about material sale, or email directly to info@united-coatings.com.

For this quotation proposal, the price of the air plasma spray core system and peripheral components for an integrated installation is given.

After-sale services terms are stated in the proposal too. UCT guarantees 12 months warranty, and continuous technical support after the warranty period.

1.2 UCT in photos

1.2.1 Some of UCT's previous projects



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Core System of Thermal Spray

UC1000A APS



UC1000HL HVOF



UC1000 Multi Processes



UC1000F Flame



UC1000C Hi Pressure Cold Spray



UDS-200 Hi frequency Detonation



UP80 Twin Hoppers Powder Feeder



High Pressure Cold Spray Powder Feeder



Gun Rotation Device



Rota Arc Spray Gun



L'Arc-400 Arc Spray



L'Arc-Pro Arc Spray



Turntable (two axes)

Turntable Multi Spindle

Linear Traverse with Turntable

(Carousel)



Robot on Track integrated with Turntable

Robot integrated with Multi Spindle Turntable (Carousel)

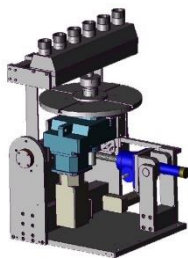
Carousel + Grit Blasting (Automation Line)



Linear Multi Spindles

Heavy Load Turntable on Track

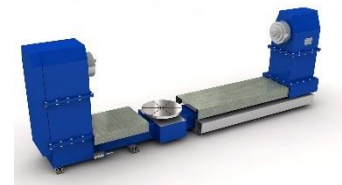
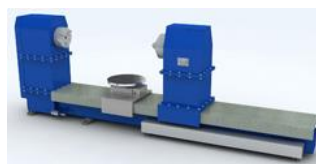
Two Axes ID Rotator



Lathe

Lathe with Turntable - I

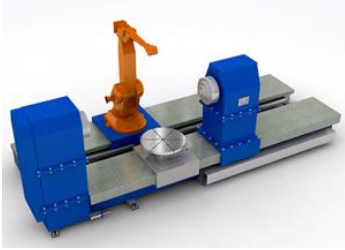
Lathe with Turntable - II



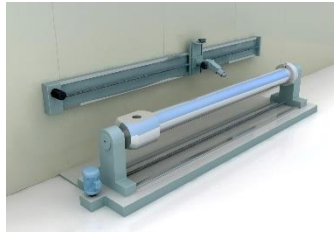
Lathe Integrated with Robot on Track

Lathe with Linear

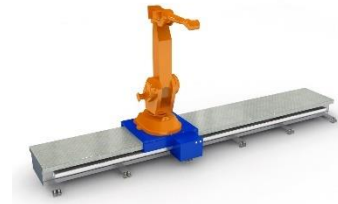
Robot on Track



Suspend Robot



Booth with Hinged Door



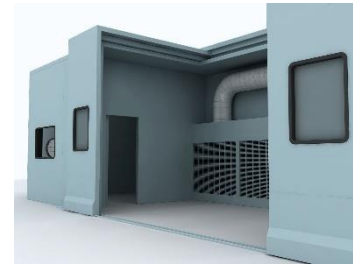
Booth with Automated L-shape Door



Cartridge Dust Collector



Gun Exchanged by Robot



Bondcoat to Topcoat one time done



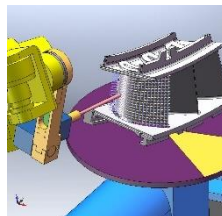
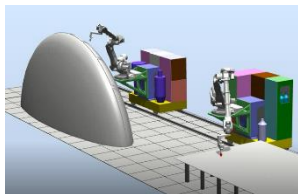
Off-line Robot Programming for Thermal Spray



Off-line Robot Programming for Grinding



3D scanning to Modeling



Abradable Coating Powder

Nickel Wire Cored

Nozzle and Electrode

NiAl Wire

