



CLEARWELD®



ADAPTING LASER WELDING TO YOUR IDEAS

Clearweld Implementation Process

	Application Assessment	Feasibility Study	Joint Project Plan	Extended Trials	Process Specification	Validation	Implementation	Trouble Shooting/Maintenance
Tasks	<ul style="list-style-type: none"> Define customer objectives Gentex review project Formalize a plan to determine feasibility 	<ul style="list-style-type: none"> Perform feasibility trials <ol style="list-style-type: none"> dispense weld analyze results Gentex evaluation of application 	<ul style="list-style-type: none"> Review Clearweld Implementation Process with customer Review resin and coating options Initial selection of coating or resin additive Work with customer (and 3rd parties when appropriate) to create the Project Plan 	<ul style="list-style-type: none"> Define objectives of trials Create engineering plan to achieve objectives Tooling/part adjusted for process Complete trials and evaluate results 	<ul style="list-style-type: none"> Verification of equipment partnership alignment Part design finalized Tooling finalized Equipment specification written and approved 	<ul style="list-style-type: none"> Final specification of Clearweld coating or resin Parameter evaluation Repeatability/Reliability Life cycle testing FDA Pilot production 	<ul style="list-style-type: none"> Equipment purchase or Contract manufacturing Full scale production 	<ul style="list-style-type: none"> Diagnostics Follow-up with customer
Results	<ul style="list-style-type: none"> Plan for feasibility trials 	<ul style="list-style-type: none"> Feasibility report to customer Samples to customer Initial part design analysis 	<ul style="list-style-type: none"> Symbiotic Project Plan 	<ul style="list-style-type: none"> Welded parts that meet customer's requirements Documentation of test 	<ul style="list-style-type: none"> Part design that conforms to Clearweld production standard Equipment spec 	<ul style="list-style-type: none"> Performance specifications 	<ul style="list-style-type: none"> Clearweld application goes into production 	<ul style="list-style-type: none"> Continual improvement in meeting customer needs
Options	<ul style="list-style-type: none"> Progress to feasibility stage Clarify issues (repeat stage) Terminate program 	<ul style="list-style-type: none"> Progress to Joint Project Plan stage Additional feasibility (repeat stage) Terminate program 	<ul style="list-style-type: none"> Progress as defined in Joint Project Plan Terminate program 	<ul style="list-style-type: none"> Progress as defined in Project Plan Adjust/Modify Plan Terminate program 	<ul style="list-style-type: none"> Progress as defined in Project Plan Adjust/Modify Plan Terminate program 	<ul style="list-style-type: none"> Progress as defined in Project Plan Adjust/Modify Plan Terminate program 		

A technology solution by
GENTEX®

USA P.O. Box 315, Carbondale, Pa 18407 • P: 800.635.1463 • F: 570.282.8555 • E: clearweld@gentexcorp.com

UK Room 103, Building 26, Granta Park, Great Abington, Cambridge, CB21 6AL, United Kingdom • P: +44 1223 893566 • F: +44 1223 893666 • E: ClearweldEU@gentexcorp.com

GERMANY P.O. Box 1239, D-64819, Groß-Umstadt, Germany • P: +49 (0) 6078/938087 • F: +49 (0) 6078/7589263 • E: ClearweldEU@gentexcorp.com

www.clearweld.com • www.clearweld.co.uk • www.clearweld.de • www.clearweld.jp