

Ein Ergebnis von CLLAIM: Lerneinheiten oder „Competence Units“ zu AM-Kursen

Die Tabelle zeigt die durch das IAMQC verabschiedeten Module, die aktuell erarbeitet werden. Einzeln oder kombiniert können sie als AM-Lehrgänge für Ingenieure, Konstrukteure, Fachkräfte oder Anlagenbediener am Markt angeboten werden.

Der erste in Deutschland durchgeführte DVS/EFW-Testlehrgang am ifw Jena setzt sich aus den markierten Modulen zusammen.

Guidelines CUs	0	Additive Manufacturing Processes Overview
	1	DED-Arc Process
	2	Quality Assurance (QA) in DED-Arc
	3	Health, Safety and Environment (HSE) in DED-Arc
	4	Fit and set-up of DED-Arc systems
	5	Manufacturing of DED-Arc parts
	6	Postprocessing of DED-Arc parts
	7	Maintenance of DED-Arc systems
	8	DED-LB Process
	9	Quality Assurance (QA) in DED-LB
	10	Health, Safety and Environment (HSE) in DED-LB
	11	Fit and set-up of DED-LB systems
	12	Manufacturing of DED-LB parts
	13	Postprocessing of DED-LB parts
	14	Maintenance of DED-LB systems
	15	PBF-LB Process
	16	Quality Assurance (QA) in PBF-LB
	17	Health, Safety and Environment (HSE) in PBF-LB
	18	Hardware, software and build file set-up for PBF-LB
	19	Monitoring and managing the manufacturing of the PBF-LB parts
	20	Postprocessing of PBF-LB parts
	21	Maintenance of PBF-LB systems
	22	PBF-EB Process
	23	Quality Assurance (QA) in PBF-EB
	24	Health, Safety and Environment (HSE) in PBF-EB
	25	Postprocessing
	26	Introduction to materials
	27	AM with Steel feedstock (so stainless steel)
	28	AM with stainless steel feedstock
	29	AM with Aluminium feedstock
	30	AM with Nickel feedstock
	31	AM with Titanium feedstock
	32	AM with Tungsten feedstock
	33	Biomedical metallic materials
	34	Process selection
	35	Metal AM integration
	36	Coordination activities
	37	Production of DED (Wire plus Arc) parts
	38	Conformity of DED (Wire plus Arc) parts
	39	Conformity of facilities featuring DED (Wire plus Arc)
	40	Production of DED (Laser) parts
	41	Conformity of DED (Laser) parts
	42	Conformity of facilities featuring DED (Laser)
	43	Production of PBF-LB parts
	44	Conformity of PBF-LB parts
	45	Conformity of facilities featuring PBF-LB
	48	Quality Assurance for DED (Arc plus LB)
	49	HSE for DED (Arc plus LB)
	50	Powder Handling
	51	Laser Beam and Characteristics and Properties
	52	Hardware, software and build file set-up for PBF-EB
	53	Monitoring and managing the manufacturing of PBF-EB parts
	54	Postprocessing of PBF-EB parts
	55	Maintenance of PBF-EB systems