

METALWORKING AND TECHNOLOGY EXHIBITION

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7th Edition - September 23-25, 2021 CENTRO FIERA - MONTICHIARI (BRESCIA) ITALY

COMMODITY SECTORS

AREA 4	.0 SERVICES		Management)	03.00	automation for storage
401.00	Consultations	409.00	Industrial internet (IIoT)		and transportation
401.01	Consulting for financing	409.01	Sensors, RFID chips, actuators,	04.00	computers and peripherals
	and contributions		mobile devices, HMI technologies, etc.	05.00	work piece and tool handling
401.02	Strategic and technological	409.02	Position and motion control sensors	06.00	industrial robots
	consultancy	409.03	Process sensors, vision and	07.00	packaging systems and products
402.00	Appraisals and certifications		cameras	08.00	software for manufacturing
		409.04	Identification systems: RFID,	09.00	software for product development
	Certifications of management		barcode and QR-code readers, etc.		
402.02	systems	409.05		CAD, C	CAM, CAE AND PLM
402.03	Certifications of skills:		of machines	10.00	assembly lines and assembly
402.00	security, emergency, operator, etc.	409.06	Adaptation of machines and		techniques
			systems to 4.0		•
403.00		409.07	Human machine interface	LOGIS	TICS, STORAGE AND WORKSHOP
403.01	Training: for the 4.0 approach	409.08	Communication interfaces:	EQUIP	
403.02	Training: management		Profibus, Profinet, EtherNet,	11.00	workshop aguinment
	and methodologies		EtherCAT, etc.	12.00	workshop equipment forklifts and cranes
403.03	Training: enabling technologies	409.09	Machine and plant interconnections	13.00	storage
403.04	Training: IT technologies	409.10	Communication infrastructures:	14.00	industrial logistics
400.05	and architectures		wireless, ultra-broadband, 4G, 5G, etc.	15.00	automatic storehouse
403.05	Training: operators	409.11	Management software, platforms	16.00	handling systems
404.00	Advanced manufacturing		and digital applications	17.00	storage systems and accessories
	solutions	409.12	Predictive maintenance of the	18.00	working-environment cleaning
404.01	Robot and corobotics		machines and intervention planning	10.00	systems
404.02	Advanced automation	409.13	Traceability systems		Systems
404.03	Autonomous vehicles (AGV)	440.00	Claud Claud and fan aansusting		
		410.00	Cloud - Cloud and rog computing	MACH	INE TOOLS
	Additive Manufacturing	410.00	Cloud - Cloud and fog computing laaS services (infrastructure as		
	Additive Manufacturing 3D printers		laaS services (infrastructure as a Service)	19.00	tool grinding machines
405.00 405.01		410.01	laaS services (infrastructure as a Service)	19.00 20.00	tool grinding machines boring machines
405.00 405.01 405.02	3D printers Software for Additive Manufacturing	410.01	laaS services (infrastructure as	19.00	tool grinding machines boring machines sheet metal working cells
405.00 405.01 405.02	3D printers Software for Additive Manufacturing Augmented Reality	410.01 410.02	laaS services (infrastructure as a Service) PaaS Services (Platform as	19.00 20.00 21.00	tool grinding machines boring machines sheet metal working cells and systems
405.00 405.01 405.02 406.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented	410.01 410.02	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service)	19.00 20.00 21.00 22.00	tool grinding machines boring machines sheet metal working cells and systems machining centers
405.00 405.01 405.02 406.00 406.01	3D printers Software for Additive Manufacturing Augmented Reality	410.01 410.02	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service)	19.00 20.00 21.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other
405.00 405.01 405.02 406.00 406.01	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA)	410.01 410.02 410.03	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services	19.00 20.00 21.00 22.00 23.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes
405.00 405.01 405.02 406.00 406.01 406.02 406.03	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV)	410.01 410.02 410.03 410.04	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process	19.00 20.00 21.00 22.00 23.00 24.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone	410.01 410.02 410.03 410.04	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service)	19.00 20.00 21.00 22.00 23.00 24.00 25.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation	410.01 410.02 410.03 410.04 410.05	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing)	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product	410.01 410.02 410.03 410.04 410.05 411.00	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security	19.00 20.00 21.00 22.00 23.00 24.00 25.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT	410.01 410.02 410.03 410.04 410.05	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data,	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total	410.01 410.02 410.03 410.04 410.05 411.00	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes	410.01 410.02 410.03 410.04 410.05 411.00 411.01	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines	410.01 410.02 410.03 410.04 410.05 411.00 411.01	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration	410.01 410.02 410.03 410.04 410.05 411.00 411.01	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage Data management platforms	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03 408.00 408.01	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes Process integration between offices	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and equipment for casting
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes Process integration between offices Integration of logistics flows	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02 412.03	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage Data management platforms	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and equipment for casting machines for forging
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03 408.00 408.01 408.02 408.03	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes Process integration between offices Integration of logistics flows Integration of information flows	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02 412.03	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage Data management platforms Confidentiality and data security	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00 31.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and equipment for casting
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03 408.00 408.01 408.02 408.03 408.04	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes Process integration between offices Integration of logistics flows Integration of information flows Management and business models	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02 412.03	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage Data management platforms Confidentiality and data security	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 29.00 30.00 31.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and equipment for casting machines for forging machines for the deformation of sheet metal
405.00 405.01 405.02 406.00 406.01 406.02 406.03 407.00 407.01 407.02 407.03 408.00 408.01 408.02 408.03 408.04 408.05	3D printers Software for Additive Manufacturing Augmented Reality Display systems augmented reality (RA) Virtual Reality Display Systems (RV) tablet / smatphone Simulation Virtual representation of the product or service and integration with IoT Simulation of partial or total processes Simulation between interconnected machines Horizontal / Vertical Integration Digital integration of production processes Process integration between offices Integration of logistics flows Integration of information flows	410.01 410.02 410.03 410.04 410.05 411.00 411.01 412.00 412.01 412.02 412.03 MANUE AUTON	laaS services (infrastructure as a Service) PaaS Services (Platform as a Service) SaaS (Software as a Service) Services BPaaS services (Business Process as a Service) Fog-computing (local data storage and processing) Cyber security Protection of: networks, data, programs, machines and systems Big data and analytics Data acquisition, organization and storage Data management platforms Confidentiality and data security	19.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 30.00 31.00 32.00 33.00	tool grinding machines boring machines sheet metal working cells and systems machining centers electro-erosive and other electrochemical processes screwing and threading machines milling machines refrigeration plants and equipment plants and components for lubrication honing, lapping and polishing machines lubricating coolants machines, systems and equipment for foundry machines, systems and equipment for casting machines for forging machines for the deformation



METALWORKING AND TECHNOLOGY

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35.00	machines for marking and engraving	72.00	electrical and electronic equipment
36.00	machines for deburring		for machine tools
	and chamfering	73.00	hydraulic and pneumatic
37.00	cutting machines		components
38.00	machines for cutting and punching	74.00	mechanical components
39.00	transfer machines and work units	75.00	controls and drives
40.00	retrofitted and certified machine	76.00	lubrication and cooling
	tools	77.00	disposal systems
41.00	machines, equipment and material		
	for welding and cutting	SYSTE	MS AND MACHINES FOR METAL
42.00	micromachining	TREAT	MENT, FINISHING AND CLEANING
43.00	planers, shapers, slotting	78.00	accessories for metal cleaning
	and broaching	79.00	machines and equipment
44.00	presses		for surface treatment and finishing
45.00	presses for special applications	80.00	machines and equipment
46.00	rapid prototyping		for galvanic treatments
47.00	grinding	81.00	machines and equipment
48.00	saws and miter saws		for heat treatments
49.00	flexible manufacturing systems	82.00	machines for metal cleaning
	and cells	83.00	safety, environment and depuration
50.00	software for machine tools		
51.00	lathes	PRODU	JCTION-WASTE DISPOSAL
52.00	drills and drilling	AND E	COLOGICAL SERVICES

MATERIALS

53.00	steels
54.00	aluminum and light alloys
55.00	brass
56.00	copper
57.00	cast iron
58.00	technical and industrial gas
59.00	jets steel and special alloys
60.00	plates
61.00	forged parts
62.00	composite materials
63.00	sintered materials
64.00	coatings
65.00	special profiles and tubes
66.00	other materials

METROLOGY AND QUALITY CONTROL

67.00	quality control, software
68.00	image data processing
69.00	testing machines
70.00	measuring instruments
	and machines

PARTS, COMPONENTS AND ACCESSORIES

71.00 accessories

lubrication and cooling
disposal systems
EMS AND MACHINES FOR METAL
TMENT, FINISHING AND CLEANING
accessories for metal cleaning
machines and equipment
for surface treatment and finishing
machines and equipment
for galvanic treatments
machines and equipment
for heat treatments
machines for metal cleaning
safety, environment and depuration

SAL

OOLOGICAL OLITTIOLO
containers for solid waste collection
collection containers of waste oils
various disposal devices
machines for industrial cleaning
systems and components for water
treatment and depuration
exhaust and filtration systems
cooling and air-treatment systems
balers, shredders and briquetting
presses for shaving and swarf
compaction
lubricating-coolant treatments

TOOLS AND EQUIPMENT

93.00	reamers
94.00	cutters
95.00	spindles
96.00	tool and accessories
97.00	tips
98.00	tool adjusting and balancing
99.00	work piece clamping systems
100.00	systems and equipment
101.00	components for tools
102.00	cutting tools
103.00	deformation tools
104.00	portable tools

SERVICES

105.00	services for the company
106.00	services for the production

MOLDS

107.00	components and accessories
	for molds
108.00	tool holders and accessories
109.00	extrusion dies
110.00	forging and hot-pressing dies
111.00	molds for hydroforming
112.00	drawing dies
113.00	molds for casting
114.00	die casting
115.00	blanking and punching dies
116.00	molds for progressive blanking
117.00	other molds

SUBCONTRACTING

118.00	assembly and installation of
	mechanical, electrical, electronic
	and fluid devices
119.00	extrusions
120.00	foundries and die casting
121.00	mechanical works for third parties
122.00	non-chip-forming machining
123.00	chip-forming machining
124.00	metal wire working
125.00	carpentry working
126.00	machining EDM
127.00	design, prototyping, testing
128.00	grinding and superfinishing
129.00	welding and cutting
130.00	surface treatment and finishing

PUBLISHING

140.00	components and systems
141.00	semi-finished components

PUBLISHING

150.00	publishing
151.00	technical journals

ASSOCIATIONS AND SCHOOLS

160.00	associations
161.00	chambers of commerce
162.00	schools and institutes