



### Commodities Index, OPTATEC 2010

<b>650100</b>	<b>Optical components, materials, coatings, systems</b>
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650104	Prisms, wedges
650105	Mirrors, beam splitters
650106	Polarisers
650107	Optical filters, coloured glass filters
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<b>650500</b>	<b>Fibre-optics / fibre-optic technology</b>
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650502	Glass fibre-optics, general
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650504	Glass fibre-optics, doped for fibre laser
650505	Quartz-glass fibre-optics
650506	Sapphire fibre-topics
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650607	Fibre cables, spectroscopy

650608	Laser cables, high-power
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650707	Liquid-core fibre-optic light guides
650708	Gooseneck light guides, single and multi-branch
650709	Optical components, integrated (e.g. lenses, prisms, LEDs)
650710	Fibre-optic light guides, other
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650801	Light-conducting rods
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<b>650900</b>	<b>Fibre-optic machines/systems, measuring devices</b>
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650902	Fibre-optic light polymerisation devices
650903	Fibre-optic measuring instruments
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650906	Fibre-optic R&D (devices and systems)
650907	Fibre-optic devices/systems, other
650908	Fibre and fibre cable processing tools
650909	Joining devices
650910	Fibre-optic measuring and test instruments
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<b>651000</b>	<b>Light sources</b>
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651002	High power LEDs
651003	High brightness LEDs
651004	LED modules
651005	RGB LEDs
651006	Cold-light sources, other (xenon as well)
651007	Light sources, other
<b>651100</b>	<b>Laser sources</b>
651101	Nd:YAG lasers including disc lasers
651102	Ruby lasers
651103	Ti:sapphire lasers
651104	Nd:glass lasers

651105	HeNe lasers
651106	HeCd lasers
651107	Argon lasers
651108	Krypton lasers
651109	CO <sub>2</sub> lasers
651110	Metal vapour lasers
651111	Excimer lasers
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651113	Chemical lasers
651114	Diode lasers
651115	Dye lasers
651116	Fibre laser
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651118	Semiconductor Laser Diode
<b>651200</b>	<b>Laser system components</b>
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651202	Laser power supplies
651203	Laser diode power supplies
651204	Laser cooling systems
651205	Laser controllers
651206	Laser vacuum technology and gas systems
651207	Laser diode burn-in systems
651208	Laser beam splitters and expanders
651209	Laser structuring
651210	Laser beam guide systems
651211	Laser power supplies
651212	Laser Diode Strip Lines
<b>651300</b>	<b>Laser components</b>
651301	Laser components, general
651302	Laser lamps, flash lamps, krypton lamps
651303	Laser lamps, spectral lamps, gas discharge lamps, deuterium lamps
651304	Laser lens protectors and sealing windows
651305	Laser mirrors
651306	Flow tubes, flow plates
651307	Laser tubes
651308	Laser cables, fibre-optic beam guide systems
651309	Laser crystal components, e.g. rods, lenses
651310	CO <sub>2</sub> optics
651311	Laser reflectors, metal and ceramic reflectors
651312	Laser resonators
651313	Laser gases
651314	Laser pumps
651315	Laser probes
651316	Laser pump light sources / flash lamps
651317	Laser diode modules
651318	IR radiators and UV radiators
651319	Light emitting diodes (LEDs)
651320	Laser dyes
<b>651400</b>	<b>Laser safety</b>
651401	Laser beam protection, general
651402	Laser filters for laser beams
651403	Laser safety glasses
651404	Laser protection cabins

651405	Laser viewing windows for apertures
651406	Laser warning signs
<b>651500</b>	<b>Optical transmission and information technology</b>
651501	Optical transmission and information technology, general
<b>651600</b>	<b>Optical signal transmission (transmitters, receivers, amplifiers)</b>
651601	LAN (local area networks)
651602	WAN (wide area networks)
651603	Internet, intranet
651604	Optical transmission devices
651605	Multiplexers, demultiplexers
651606	Optical interfaces
651607	Optical switches
651608	Optical transmission devices, other (damping elements)
651609	Installation of fibre cable systems
651610	Measuring and test instruments for optical transmission/information technology
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651803	UV expander systems
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<b>651900</b>	<b>Optical sensors</b>
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<b>652000</b>	<b>Software for optics and optoelectronics</b>
652001	Software for optics and optoelectronics, general
652002	Software for microscopic image processing
652003	Simulation software for optical components
652004	Simulation software for optoelectronic components
652005	Simulation software for light sources
652006	Laser software
652007	Software for optics, coatings, thin film design and optoelectronics (and engineering)
<b>652100</b>	<b>Systems development</b>
652101	Systems development, general
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652103	Development of precision engineering systems
<b>652200</b>	<b>Applications and methods for fabricating optics</b>
652201	Applications and methods for fabricating optics, general
<b>652300</b>	<b>Thin film technology</b>

652301	Applications and processes for the production of optical thin films
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652303	Vacuum / vacuum technology
<b>652400</b>	<b>Mechanical/thermal processing</b>
652401	Mechanical processing, general
652402	Ultra-precision processing
652403	Centring / edging
652404	Diamond turning
652405	Bright pressing
652406	Polishing
652407	Grinding / lapping
652408	Sawing / cutting
652409	Lubricating coolants for glass processing
<b>652500</b>	<b>Cleaning</b>
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652503	Ultrasonic cleaning
<b>652600</b>	<b>Supplies and tooling for optics and optoelectronics</b>
652601	Supplies and tooling, general
652602	Lapping and grinding media
652603	Polishing agents
652604	Diamond pellets
652605	Adhesives, optical and glass
652606	Adhesives, UV curing
652607	UV lamps, polymerisation curing lamps
652608	Tools for fibre-optics
652609	Cleaning cloths: microfibre wiping cloths, lens cleaners, special cloths
652610	Packaging materials
<b>652700</b>	<b>Optical metrology and testing methods and their applications</b>
652701	Optical metrology and testing methods and their applications, general
652702	Image recording and image processing
652703	Dimensional measuring technology + B339
652704	Speed measuring technology
652705	Holographic interferometry
652706	Interferometric measuring technology
652707	Laser measuring systems
652708	Laser power measuring instruments
652709	Laser diode test systems
652710	Laser beam profile measuring systems
652711	Laser beam diagnosis systems
652712	Laser diode inspection systems
652713	Measurement of thermal quantities
652714	Measurement of optical quantities
652715	Colour measuring technology
652716	Polarisation measuring technology
652717	Monochromators
652718	Surface measuring technology
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652720	Testing of optical components
652721	Layer thickness measuring technology
652722	Oscillation measuring technology
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652725	Temperature and strain measurements with fibre optical sensors
<b>652800</b>	<b>Cleanroom technology</b>
652801	Planning and systems
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<b>652900</b>	<b>Display technology</b>
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<b>653000</b>	<b>Safety engineering</b>
653001	Night vision devices
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653003	Generation 2, 3 and 4 image amplifiers
653004	Residual light CCD cameras
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<b>653100</b>	<b>New technologies</b>
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653201	Services, associations, general
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653204	Standardisation
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<b>653300</b>	<b>Financing</b>
653301	Financing, general
<b>653400</b>	<b>Applications for Optical Technologies</b>
653401	Production technology
653402	Image processing and measuring technology
653403	Medical engineering and life sciences
653404	Illumination technology
653405	Energy technology, photovoltaic, photothermics
653406	Flat screen displays
653407	Information technology, telecommunications

