

Central Excise Tariff Act, 1985

Chapter 90 - Optical, Photographic, Cinematographic, Measuring, Checking, Precision, Medical or Surgical Instruments and Apparatus; Parts and Accessories Thereof

CHAPTER 90

OPTICAL, PHOTOGRAPHIC, CINEMATOGRAPHIC, MEASURING, CHECKING, PRECISION, MEDICAL OR SURGICAL INSTRUMENTS AND APPARATUS; PARTS AND ACCESSORIES THEREOF

NOTES

1. THIS CHAPTER DOES NOT COVER :

- (a) articles of a kind used in machines, appliances or for other technical uses, of vulcanised rubber other than hard rubber (heading 4016), of leather or of composition leather 1 [(heading 4205)] or textile material (heading 5911);
- (b) supporting belts or other support articles of textile material, whose intended effect on the organ to be supported or held derives solely from their elasticity (for example, maternity belts, thoracic support bandages, abdominal support bandages, supports for joints or muscles) (Section XI);
- (c) refractory goods of heading 6903; ceramic wares for laboratory, chemical or other technical uses, of heading 6909;
- (d) glass mirrors, not optically worked, of heading 7009, or mirrors of base metal or of precious metal, not being optical elements (heading 8306 or Chapter 71);
- (e) goods of heading 7007, 7008, 7011, 7014, 7015 or 7017;
- (f) parts of general use, as defined in Note 2 to Section XV, of base metal (Section XV) or similar goods of plastics (Chapter 39);
- (g) pumps incorporating measuring devices, of heading 8413; weight-operated counting or checking machinery, or separately presented weights for balances (heading 8423); lifting or handling machinery (headings 8425 to 8428); paper or paperboard cutting machines of all kinds (heading 8441); fittings for adjusting work or tools on machine-tools, of heading 8466, including fittings with optical devices for reading the scale (for example, "optical" dividing heads) but not those which are in themselves essentially optical instruments (for example, alignment telescopes); calculating machines (heading 8470); valves or other appliance 2 [of heading 8481; machines and apparatus (including apparatus for the projection or drawing of circuits patterns on sensitised semiconductors materials) of heading 8486];
- 3 [h) searchlights or spotlights of a kind used for cycles or motor vehicles (heading 8512); portable electric lamps of heading 8513; cinematographic sound recording, reproducing or re-recording apparatus (heading 8519); sound-heads (heading 8522); television cameras, digital cameras and video camera recorders (heading 8525); radar apparatus, radio navigational aid apparatus or radio remote control apparatus (heading 8526); connectors for optical fibres, optical

fibre bundles or cables (heading 8536); numerical control apparatus of heading 8537; sealed beam lamp units of heading 8539; optical fibre cables of heading 8544;]

(ij) searchlights or spotlights of heading 9405;

(k) articles of Chapter 95;

(l) capacity measures, which are to be classified according to their constituent material; or

(m) spools, reels or similar supports (which are to be classified according to their constituent material, for example, in heading 3923 or Section XV).

2. Subject to Note 1 above, parts and accessories for machines, apparatus, instruments or articles of this Chapter are to be classified according to the following rules :

(a) parts and accessories which are goods included in any of the headings of this Chapter or of Chapter 84, 85 or 91 (other than heading 4 [8487], 8548 or 9033) are in all cases to be classified in their respective headings;

(b) other parts and accessories, if suitable for use solely or principally with a particular kind of machine, instrument or apparatus, or with a number of machines, instruments or apparatus of the same heading (including a machine, instrument or apparatus of heading 9010, 9013 or 9031) are to be classified with the machines, instruments or apparatus of that kind;

(c) all other parts and accessories are to be classified in heading 9033.

5 [3. The provisions of Notes 3 and 4 to Section XVI apply also to this Chapter.]

4. Heading 9005 does not apply to telescopic sight for fitting to arms, periscopic telescopes for fitting to submarines or tanks, or to telescopes for machines, appliances, instruments or apparatus of this Chapter or Section XVI; such telescopic sights and telescopes are to be classified in heading 9013.

5. Measuring or checking optical instruments, appliances or machines which, but for this Note, could be classified both in heading 9013 and in heading 9031 are to be classified in heading 9031.

6. For the purpose of heading 9021, the expression "orthopaedic appliances" means appliances for:

(i) preventing or correcting bodily deformities; or

(ii) supporting or holding parts of the body following an illness, operation or injury. Orthopedic appliances include footwear and special insoles designed to correct orthopaedic conditions, provided that they are either (1) made to measure, or (2) mass produced, presented singly and not in pairs and designed to fit either foot equally.

7. Heading 9032 applies only to:

(a) instruments and apparatus for automatically controlling the flow, level, pressure or other variables of liquids or gases, or for automatically controlling temperature, whether or not their operation depends on an electrical phenomenon which varies according to the factor to be automatically controlled, which are designed to bring this factor to, and maintain it at, a desired value, stabilized against disturbances, by constantly or periodically measuring its actual value; and

(b) automatic regulators of electrical quantities, and instruments or apparatus for automatically controlling non-electrical quantities the operation of which depends on an electrical phenomenon varying according to the factor to be controlled, which are designed to bring this factor to, and

maintain it at, a desired value, stabilized against disturbances, by constantly or periodically measuring its actual value.

Tariff Item		Description of goods
(1)		(2)
9001		OPTICAL FIBRES AND OPTICAL FIBRE BUNDLES; OPTICAL FIBRE CABLES; THOSE OF HEADING 8544; SHEETS AND PLATES OF POLARISING MATERIAL (INCLUDING CONTACT LENSES), PRISMS, MIRRORS AND OTHER OPTICAL ELEMENTS OF ANY MATERIAL, UNMOUNTED, OTHER THAN SUCH ELEMENTS OF GLASS NOT OPTICALLY WORKED
9001 10 00	-	Optical fibres, optical fibres bundles and cables
9001 20 00	-	Sheets and plates of polarising material
9001 30 00	-	Contact lenses
9001 40	-	Spectacle lenses of glass :
9001 40 10	---	Polarised glass
9001 40 90	---	Other
9001 50 00	-	Spectacle lenses of other materials
9001 90	-	Other:
9001 90 10	---	Optical calcite crystal
9001 90 90	---	Other
9002		LENSES, PRISMS, MIRRORS AND OTHER OPTICAL ELEMENTS, OF ANY MATERIAL, UNMOUNTED, BEING PARTS OF OR FITTINGS FOR INSTRUMENTS OR APPARATUS OTHER THAN SUCH ELEMENTS OF GLASS NOT OPTICALLY WORKED
	-	Objective lenses:
9002 11 00	--	For cameras, projectors or photographic enlargers or reducers
9002 19 00	--	Other
9002 20 00	-	Filters
9002 90 00	-	Other
9003		FRAMES AND MOUNTINGS FOR SPECTACLES, GOGGLES OR THE LIKE, OF ANY MATERIAL, OTHER THAN SUCH ELEMENTS OF GLASS NOT OPTICALLY WORKED
	-	Frames and mountings:
9003 11 00	--	Of plastics
9003 19 00	--	Of other materials
9003 90 00	-	Parts
9004		SPECTACLES, GOGGLES AND THE LIKE, CORRECTIVE, PROTECTIVE OR OTHER
9004 10 00	-	Sunglasses
9004 90	-	Other:
9004 90 10	---	Passive night vision goggles

9004 90 20	---	Prismatic eyeglasses for reading
9004 90 90	---	Other
9005		BINOCULARS, MONOCULARS, OTHER OPTICAL TELESCOPES, AND THEREFOR; OTHER ASTRONOMICAL INSTRUMENTS AND MOUNTINGS NOT INCLUDING INSTRUMENTS FOR RADIO-ASTRONOMY
9005 10 00	-	Binoculars
9005 80	-	Other instruments:
9005 80 10	---	Monocular and refracting telescopes
9005 80 20	---	Astronomical instruments
9005 80 90	---	Other
9005 90	-	Parts and accessories (including mountings):
9005 90 10	---	Of binocular or telescopes of heading 9005, other than mountings
9005 90 20	---	Mountings for astronomical instruments
9005 90 90	---	Other
9006		PHOTOGRAPHIC (OTHER THAN CINEMATOGRAPHIC) CAMERAS; FLASHLIGHT APPARATUS AND FLASH BULBS OTHER THAN DISCHARGE LAMP ("electronic") FLASHLIGHT APPARATUS; HEADING 8539
9006 10 00	-	Cameras of a kind used for preparing printing plates or cylinders
6 [***]		
9006 30 00	-	Cameras specially designed for underwater use, for aerial survey or for medical or surgical use; comparison cameras for forensic or criminological purposes
9006 40 00	-	Instant print cameras
	-	Other cameras:
9006 51 00	--	With a through-the-lens view-finder [single lens reflex (SLR)] for roll film of a width less than 35 mm
9006 52 00	--	Other, for roll film of a width less than 35 mm
9006 53	--	Other, for roll film of a width of 35 mm:
9006 53 10	---	Fixed focus 35 mm cameras
9006 53 90	---	Other
9006 59	--	Other:
9006 59 10	---	Fixed focus 110 mm cameras
9006 59 90	---	Other
	-	Photographic flashlight apparatus and flashbulbs:
9006 61 00	--	Discharge lamp ("electronic") flashlight apparatus
12 [***]		
9006 69 00	--	Other
	-	Parts and accessories:
9006 91 00	--	For cameras

9006 99 00	--	Other
9007		CINEMATOGRAPHIC CAMERAS AND PROJECTORS, WHETHER OR NOT IN SOUND RECORDING OR REPRODUCING APPARATUS
	-	Cameras:
9007 11 00	--	For film of less than 16 mm width or for double- 8 mm film
9007 19 00	--	Other
9007 20	-	Projectors:
9007 20 10	---	For film of less than 16 mm width
9007 20 90	---	Other
	-	Parts and accessories:
9007 91 00	--	For cameras
9007 92 00	--	For projectors
9008		IMAGE PROJECTORS, OTHER THAN CINEMATOGRAPHIC; PHOTOGRAPHIC (INCLUDING CINEMATOGRAPHIC) ENLARGERS AND REDUCERS
9008 10 00	-	Slide projectors
9008 20 00	-	Microfilm, microfiche or other microform readers, whether or not capable of producing
9008 30 00	-	Other image projectors
9008 40 00	-	Photographic (other than Cinematographic) enlargers and reducers
9008 90 00	-	Parts and accessories
13 [***]		
9010		APPARATUS AND EQUIPMENT FOR PHOTOGRAPHIC (INCLUDING CINEMATOGRAPHIC) LABORATORIES 7 [***], NOT SPECIFIED OR INCLUDED ELSEWHERE IN NEGATOSCOPES; PROJECTION SCREENS
8 [9010 10 00	-	Apparatus and equipment for automatically developing photographic (including cinematographic) paper in rolls or for automatically exposing developed film to rolls of photographic paper
9010 50 00	-	Other apparatus and equipment for photographic (including cinematographic) laboratories
9010 60 00	-	Projection screens
9010 90 00	-	Parts and accessories
9011		COMPOUND OPTICAL MICROSCOPES, INCLUDING THOSE FOR PHOTOMICROGRAPHY OR CINEPHOTOMICROGRAPHY OR MICROPROJECTION
9011 10 00	-	Stereoscopic microscopes
9011 20 00	-	Other microscopes, for photomicrography, cinephotomicrography or microprojection
9011 80 00	-	Other microscopes
9011 90 00	-	Parts and accessories
9012		MICROSCOPES OTHER THAN OPTICAL MICROSCOPES; DIFFRACTION APPARATUS
9012 10	-	Microscopes other than optical microscopes; diffraction apparatus:
9012 10 10	---	Electron microscopes fitted with equipment specifically designed for the handling of semiconductor wafers or reticles

9012 10 90	---	Other
9012 90 00	-	Parts and accessories
9013		LIQUID CRYSTAL DEVICES NOT CONSTITUTING ARTICLES PROVIDED SPECIFICALLY IN OTHER HEADINGS; LASERS, OTHER THAN LASER DIODES; OPTICAL APPLIANCES AND INSTRUMENTS, NOT SPECIFIED OR INCLUDED IN THIS CHAPTER
9013 10	-	Telescopic sights for fitting to arms; periscopes; telescopes designed to form part of appliances, instruments or apparatus of this Chapter or Section XVI:
9013 10 10	---	Telescopic sights for fitting to arms
9013 10 20	---	Periscopes
9013 10 90	---	Other
9013 20 00	-	Lasers, other than laser diodes
9013 80	-	Other devices, appliances and instruments:
9013 80 10	---	Liquid crystal devices (LCD)
9013 80 90	---	Other
9013 90	-	Parts and accessories:
9013 90 10	---	For liquid crystal devices (LCD)
9013 90 90	---	Other
9014		DIRECTION FINDING COMPASSES; OTHER NAVIGATIONAL INSTRUMENTS AND APPLIANCES
9014 10 00	-	Direction finding compasses
9014 20 00	-	Instruments and appliances for aeronautical or space navigation (other than compasses)
9014 80	-	Other instruments and appliances:
9014 80 10	---	Echo sounding instrument
9014 80 20	---	Sextants
9014 80 90	---	Other
9014 90 00	-	Parts and accessories
9015		SURVEYING (INCLUDING PHOTOGRAMMETRICAL SURVEYING), HYDROGRAPHIC, OCEANOGRAPHIC, HYDROLOGICAL, METEOROLOGICAL OR INSTRUMENTS AND APPLIANCES, EXCLUDING COMPASSES; RANGEFINDERS
9015 10 00	-	Rangefinders
9015 20 00	-	Theodolites and tachymeters (tacheometers)
9015 30	-	Levels:
9015 30 10	---	Dumpy levels or engineer's levels or builder's levels (not automatic) and quick set levels with horizontal circles
9015 30 90	---	Other
9015 40 00	-	Photogrammetrical surveying instruments and appliances
9015 80	-	Other instruments and appliances:
9015 80 10	---	Hydrographic instruments

9015 80 20	---	Meteorological instruments
9015 80 30	---	Geophysical instruments
9015 80 90	---	Other
9015 90 00	-	Parts and accessories
9016		BALANCES OF A SENSITIVITY OF 5 CG OR BETTER, WITH OR WITHOUT WEIGHTS
9016 00	-	Balances of a sensitivity of 5cg or better, with or without weights:
9016 00 10	---	Electric balances
9016 00 20	---	Other balances
9016 00 90	---	Parts
9017		DRAWING, MARKING-OUT OR MATHEMATICAL CALCULATING INSTRUMENTS (FOR EXAMPLE, DRAFTING MACHINES, PANTOGRAPHS, PROTRACTORS, DISC CALCULATORS); INSTRUMENTS FOR MEASURING LENGTH IN THE HAND (FOR EXAMPLE, MEASURING RODS AND TAPES, CALLIPERS), NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER
9017 10 00	-	Drafting tables and machines, whether or not automatic
9017 20	-	Other drawing, marking-out or mathematical calculating instruments:
9017 20 10	---	Drawing and marking-out instruments
9017 20 20	---	Mathematical calculating instruments
9017 20 30	---	Pantograph
9017 20 90	---	Other
9017 30	-	Micrometers, calipers and gauges:
9017 30 10	---	Micro-meters and calipers
	---	Gauges:
9017 30 21	----	Plug
9017 30 22	----	Ring
9017 30 23	----	Slip
9017 30 29	----	Other
9017 80	-	Other instruments:
9017 80 10	---	Measuring rods and tapes and divided scales
9017 80 90	---	Other
9017 90 00	-	Parts and accessories
9018		INSTRUMENTS AND APPLIANCES USED IN MEDICAL, SURGICAL, VETERINARY SCIENCES, INCLUDING SCIENTIFIC APPARATUS AND ELECTROMEDICAL APPARATUS AND SIGHT-TESTING INSTRUMENTS
	-	Electro-diagnostic apparatus (including apparatus for functional exploratory examination of physiological parameters):
9018 11 00	--	Electro-cardiographs
9018 12	--	Ultrasonic scanning apparatus:

9018 12 10	---	Linear ultrasound scanner
9018 12 90	---	Other
9018 13 00	--	Magnetic resonance imaging apparatus
9018 14 00	--	Scientigraphic apparatus
9018 19	--	Other:
9018 19 10	---	Electro encephalographs
9018 19 20	---	Echo cardiograph
9018 19 90	---	Other
9018 20 00	-	Ultra-violet or infra-red ray apparatus
	-	Syringes, needles, catheters, cannulae and the like:
9018 31 00	--	Syringes, with or without needles
9018 32	--	Tubular metal needles and needles for sutures:
9018 32 10	---	Needles for suture
9018 32 20	---	Hollow needles for injection, aspiration, Biopsy and transfusion
9018 32 30	---	Hilario venus fistula needles
9018 32 90	---	Other
9018 39	--	Other:
9018 39 10	---	Catheters (for urine, stool)
9018 39 20	---	Cardiac catheters
9018 39 30	---	Cannulae
9018 39 90	---	Other
	-	Other instruments and appliances, used in dental sciences:
9018 41 00	--	Dental drill engines, whether or not combined on a single base with other dental equipment
9018 49 00	--	Other
9018 50	-	Other ophthalmic instruments and appliances:
9018 50 10	---	Ophthalmoscopes
9018 50 20	---	Tonometers
9018 50 30	---	Ophthalmic lasers
9018 50 90	---	Other
9018 90	-	Other instruments and appliances:
	---	Diagnostic instruments and apparatus:
9018 90 11	----	Instrument and apparatus for measuring blood pressure
9018 90 12	----	Stethoscopes
9018 90 19	----	Other
	---	Surgical tools:
9018 90 21	----	Bone saws, drills and trephines

9018 90 22	----	Knives, scissors and blades
9018 90 23	----	Forceps, forcep clamps, clips, needle holders, introducers, cephalotribe bone holding instruments
9018 90 24	----	Chisel, gauges, elevators, raspatones, osteotome, craniotome, bone cutters
9018 90 25	----	Retractors, spatulaprobes, hooks dialators, sounds, mallets
9018 90 29	----	Other
	---	Renal dialysis equipment, blood transfusion apparatus and haemofiltration instruments:
9018 90 31	----	Renal dialysis equipment (artificial kidneys, Kidney machines and dialysers)
9018 90 32	----	Blood tranfusion apparatus
9018 90 33	----	Haemofiltration instruments
	---	Anesthetic apparatus and instruments, ENT precision instruments, acupuncture endoscopes:
9018 90 41	----	Anesthetic apparatus and instruments
9018 90 42	----	ENT precision instruments
9018 90 43	----	Acupuncture apparatus
9018 90 44	----	Endoscopes
	---	Other:
9018 90 91	----	Hilerial or venous shunts
9018 90 92	----	Baby incubators
9018 90 93	----	Heart-lung machines
9018 90 94	----	Defibrillators
9018 90 95	----	Fibrescopes
9018 90 96	----	Laprosopes
9018 90 97	----	Vetrasonic lithotripsy instruments
9018 90 98	----	Apparatus for nerve stimulation
9018 90 99	----	Other
9019		MECHANO-THERAPY APPLIANCES; MASSAGE APPARATUS; PSYCHOLOGICAL TESTING APPARATUS; OZONE THERAPY, OXYGEN THERAPY, AEROSOL THERAPY, ARTIFICIAL RESPIRATION OR OTHER THERAPEUTIC RESPIRATION APPARATUS:
9019 10	-	Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus:
9019 10 10	---	Mechano-therapy appliances
9019 10 20	---	Massage apparatus
9019 10 90	---	Other
9019 20	-	Ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic apparatus:
9019 20 10	---	Oxygen therapy apparatus
9019 20 90	---	Other

9020 00 00		OTHER BREATHING APPLIANCES AND GAS MASKS, EXCLUDING PROTECTIVE MASKS HAVING NEITHER MECHANICAL PARTS NOR REPLACEABLE FILTERS
9021		ORTHOPEAEDIC APPLIANCES, INCLUDING CRUTCHES, SURGICAL BELTS, SPLINTS AND OTHER FRACTURE APPLIANCES; ARTIFICIAL PARTS OF THE BODY, HEARING AIDS AND OTHER APPLIANCES WHICH ARE WORN OR IMPLANTED IN THE BODY, TO COMPENSATE FOR A DEFECT OR DISABILITY
9021 10 00	-	Orthopaedic or fracture appliances
	-	Artificial teeth and dental fittings:
9021 21 00	--	Artificial teeth
9021 29 00	--	Other
	-	Other artificial parts of the body :
9021 31 00	--	Artificial joints
9021 39 00	--	Other
9021 40	-	Hearing aids, excluding parts and accessories:
9021 40 10		Frequency modulated hearing aid system used for hearing by handicapped persons in G
9021 40 90	---	Other
9021 50 00	-	Pacemakers for stimulating heart muscles, excluding parts and accessories
9021 90	-	Other :
9021 90 10	---	Parts and accessories of hearing aids
9021 90 90	---	Other
9022		APPARATUS BASED ON THE USE OF X-RAYS OR OF ALPHA, BETA OR GAMMA RADIATIONS, WHETHER OR NOT FOR MEDICAL, SURGICAL, DENTAL OR VETERINARY USES, INCLUDING RADIOGRAPHY OR RADIOTHERAPY APPARATUS, X-RAY GENERATORS, HIGH TENSION GENERATORS, CONTROL DEVICES, DESKS, SCREENS, EXAMINATION OR TREATMENT TABLES, CHAIRS AND T
	-	Apparatus based on the use of X-rays, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:
9022 12 00	--	Computed tomography apparatus
9022 13 00	--	Other, for dental uses
9022 14	--	Other, for medical, surgical or veterinary uses:
9022 14 10	---	X-ray generators and apparatus (non-portable)
9022 14 20	---	Portable X-ray machine
9022 14 90	---	Other
9022 19 00	--	For other uses
	-	Apparatus based on the use of alpha, beta or gamma radiation, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:
9022 21 00	--	For medical, surgical, dental or veterinary uses
9022 29 00	--	For other uses
9022 30 00	-	X-ray tubes

9022 90	-	Other, including parts and accessories:
9022 90 10	---	X-ray valves
9022 90 20	---	Radiation generation units
9022 90 30	---	Radiation beam delivery units
9022 90 40	---	X-ray examination or treatment table, chairs and the like
9022 90 90	---	Other
9023		INSTRUMENTS, APPARATUS AND MODELS, DESIGNED FOR DEMONSTRATIONAL PURPOSES (FOR EXAMPLE, IN EDUCATION OR EXHIBITIONS), UNSUITABLE FOR OTHER USES
9023 00	-	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses:
9023 00 10	---	Teaching aids
9023 00 90	---	Other
9024		MACHINES AND APPLIANCES FOR TESTING THE HARDNESS, COMPRESSION, COMPRESSIBILITY, ELASTICITY OR OTHER MECHANICAL PROPERTIES OF MATERIALS (FOR EXAMPLE, METALS, WOOD, TEXTILES, PAPER, PLASTICS)
9024 10 00	-	Machines and appliances for testing metals
9024 80	-	Other machines and appliances:
9024 80 10	---	For testing textiles, paper and paperboard
	---	Other:
9024 80 91	----	For testing hardness
9024 80 99	----	Other
9024 90 00	-	Parts and accessories
9025		HYDROMETERS AND SIMILAR FLOATING INSTRUMENTS, THERMOMETERS, PYROMETERS, BAROMETERS, HYGROMETERS AND PSYCHROMETERS, NOT COMBINED WITH OTHER INSTRUMENTS, AND ANY COMBINATION OF THESE INSTRUMENTS
	-	Thermometers and pyrometers, not combined with other instruments:
9025 11	--	Liquid-filled, for direct reading:
9025 11 10	---	Clinical thermometers
9025 11 90	---	Other
9025 19	--	Other:
9025 19 10	---	Digital thermometers
9025 19 20	---	Pyrometers
9025 19 90	---	Other
9025 80	-	Other instruments:
9025 80 10	---	Hydrometers and similar floating instruments
9025 80 20	---	Barometers, not combined with other instruments
9025 80 30	---	Lactometer

9025 80 90	---	Other
9025 90 00	-	Parts and accessories
9026		INSTRUMENTS AND APPARATUS FOR MEASURING OR CHECKING THE PRESSURE OR OTHER VARIABLES OF LIQUIDS OR GASES (FOR EXAMPLE, LEVEL GAUGES, MANOMETERS, HEAT METERS), EXCLUDING INSTRUMENTS AND APPARATUS OF HEADING 9014, 9015, 9028 OR 9032
9026 10	-	For measuring or checking the flow or level of liquids:
9026 10 10	---	Flow meters
9026 10 20	---	Level gauges
9026 10 90	---	Other
9026 20 00	-	For measuring or checking pressure
9026 80	-	Other instruments or apparatus:
9026 80 10	---	Heat meters
9026 80 90	---	Other
9026 90 00	-	Parts and accessories
9027		INSTRUMENTS AND APPARATUS FOR PHYSICAL OR CHEMICAL ANALYSIS (FOR EXAMPLE, POLARIMETERS, REFRACTOMETERS, SPECTROMETERS, GAS ANALYSIS APPARATUS); INSTRUMENTS AND APPARATUS FOR MEASURING OR CHECKING VISCOSITY, POROSITY, EXPANSION, SURFACE TENSION OR SURFACE ENERGY; INSTRUMENTS AND APPARATUS FOR MEASURING OR CHECKING QUANTITIES OF SOUND OR LIGHT (INCLUDING EXPOSURE METERS); MICROTOMES
9027 10 00	-	Gas or smoke analysis apparatus
9027 20 00	-	Chromatographs and electrophoresis instruments
9027 30	-	Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR):
9027 30 10	---	Spectrometers
9027 30 20	---	Spectrophotometers
9027 30 90	---	Other
15 [***]		
9027 50	-	Other instruments and apparatus using optical radiations (UV, visible, IR):
9027 50 10	---	Photometers
9027 50 20	---	Refractometers
9027 50 30	---	Polarimeters
9027 50 90	---	Other
9027 80	-	Other instruments and apparatus:
9027 80 10	---	Viscometers
9027 80 20	---	Calorimeters
9027 80 30	---	Instruments and apparatus for measuring the surface or interfacial tension of liquids
9027 80 40	---	Nuclear magnetic resonance instruments
9027 80 90	---	Other

9027 90	-	Microtomes; parts and accessories :
9027 90 10	---	Microtomes, including parts and accessories thereof
9027 90 20	---	Printed circuit assemblies for the goods of Sub-heading 9027 80
9027 90 90	---	Other
9028		GAS, LIQUID OR ELECTRICITY SUPPLY OR PRODUCTION METER CALIBRATING METERS THEREFOR
9028 10 00	-	Gas meters
9028 20 00	-	Liquid meters
9028 30	-	Electricity meters:
9028 30 10	---	For alternating current
9028 30 90	---	Other
9028 90	-	Parts and accessories :
9028 90 10	---	For electricity meters
9028 90 90	---	Other
9029		RE VOLUTION COUN T ERS , PR O D UC T I O N C O U N T R S MILEOMETERS, PEDOMETERS AND THE LIKE; SPEED INDICATORS AND T OTHER THAN THOSE OF HEADING 9014 OR 9015; STROBOSCOPES
9029 10	-	Revolution counters, production counters, taximeters, mileometers, pedometers and the
9029 10 10	---	Taximeters
9029 10 90	---	Other
9029 20	-	Speed indicators and tachometers; stroboscopes:
9029 20 10	---	Tachometers, non-electrical
9029 20 20	---	Speedometers, non-electrical
9029 20 30	---	Stroboscopes
9029 20 90	---	Other
9029 90 00	-	Parts and accessories
9030		OSCILLOSCOPES, SPECTRUM ANALYSERS AND OTHER INSTRUMENTS AND FOR MEASURING OR CHECKING ELECTRICAL QUANTITIES, EXCLUDING HEADING 9028; INSTRUMENTS AND APPARATUS FOR MEASURING C ALPHA, BETA, GAMMA, X-RAY, COSMIC OR OTHER IONISING RADIATIONS
9030 10 00	-	INSTRUM ENTS AND AP P ARATUS FOR M EASURING OR DETEC RADIATIONS
10 [903020 00	-	Oscilloscopes and oscillographs
	-	Other instruments and apparatus, for measuring or checking voltage, current, resistance
9030 31 00	--	Multimeters without a recording device
9030 32 00	--	Multimeters with a recording device
9030 33	--	Other, without a recording device:
9030 33 10	--	Ammeters, volt meters and watt meters

9030 33 20	---	Spectrum resistance meters
9030 33 30	---	Capacitance meter
9030 33 40	---	Frequency measuring apparatus
9030 33 50	---	Megar meters
9030 33 90	---	Other
9030 39 00	--	Other, with a recording device
9030 40 00	-	Other instruments and apparatus, specially designed for telecommunications (for e meters, gain measuring instruments, distortion factor meters, psophometers)
	-	Other instruments and apparatus:
9030 82 00	--	For measuring or checking semiconductor wafers or devices
11 [9030 8400]	--	Other, with a recording device
9030 89	--	Other:
9030 89 10	---	Scintillator counters
9030 89 20	---	Vectroscope
9030 89 90	---	Other
9030 90	-	Parts and accessories:
9030 90 10	---	Of meters and counters
9030 90 90	---	Other
9031		MEASURING OR CHECKING INSTRUMENTS, APPLIANCES AND M SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER; PROFILE PROJEC
9031 10 00	-	Machines for balancing mechanical parts
9031 20 00	-	Test benches
14 [***]		
	-	Other optical instruments and appliances:
9031 41 00	--	For inspecting semiconductor wafers, or devices or for inspecting photo-masks o manufacturing semiconductor devices
9031 49 00	--	Other
9031 80 00	-	Other instruments, appliances and machines
9031 90 00	-	Parts and accessories
9032		AUTOMATIC REGULATING OR CONTROLLING INSTRUMENTS AND APPAR
9032 10	-	Thermostats:
9032 10 10	---	For refrigerating and air-conditioning appliances and machinery
9032 10 90	---	Other
9032 20	-	Manostats:
9032 20 10	---	For refrigerating and air-conditioning appliances and machinery
9032 20 90	---	Other
	-	Other instruments and apparatus:

9032 81 00	--	Hydraulic or pneumatic
9032 89	--	Other:
9032 89 10	---	Electronic automatic regulators
9032 89 90	---	Other
9032 90 00	-	Parts and accessories
9033 00 00		PARTS AND ACCESSORIES (NOT SPECIFIED OR INCLUDED ELSEWHERE IN THIS CHAPTER) FOR MACHINES, APPLIANCES, INSTRUMENTS OR APPARATUS OF HEADING 8471 TO 8544;

1. Substituted for the words "(heading 8471)" by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007.

2. Substituted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007 for the following "of heading 8481";

"of heading 8481; machines and apparatus (including apparatus for the projection or drawing of circuit patterns on sensitised semiconductor materials) of heading 8486;"

3. Substituted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007 for the following

"(h) searchlights or spotlights of a kind used for cycles or motor vehicles (heading 8512); portable electric lamps of heading 8513; cinematographic sound recording, reproducing or re-recording apparatus (heading 8519 or 8520); sound-heads (heading 8522); still image video cameras, other video camera recorders and digital cameras (heading 8525); radar apparatus, radio navigational aid apparatus or radio remote control apparatus (heading 8526); numerical control apparatus of heading 8537; sealed beam lamp units of heading 8539; optical fibre cables of heading 8544;"

4. Substituted for the words "8485" by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007.

5. Substituted for the following by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007:

"3. The provisions of Note 4 to Section XVI apply also to this Chapter."

6. Omitted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, prior to omission it read as

"9006 20 00	-	Cameras of a kind used for recording documents on microfilm, microfiche or other microfilm
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7. Omitted words "(INCLUDING APPARATUS FOR THE PROJECTION OR DRAWING OF CIRCUIT PATTERNS ON SENSITISED SEMICONDUCTOR MATERIALS)" by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007.

8. Substituted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, for the following

"9010 10 00	-	Apparatus and equipment for automatically developing photographic (including cinematographic) paper in rolls or for automatically exposing developed film to rolls of photographic paper
	-	Apparatus for the projection or drawing of circuit patterns on sensitised semiconductor materials
9010 41 00	--	Direct write-on-wafer apparatus
9010 42 00	--	Step and repeat aligners
9010 49 00	--	Other

9. Substituted for "Nil" by the Finance Act, 2005.

10. Substituted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, for the following

"9030 20 00	-	CATHODE-RAY OSCILLOSCOPES AND CATHODE-RAY OSCILLOGRAPHS
	-	Other instruments and apparatus, for measuring or checking voltage, current, resistance or a recording device:
9030 31 00	--	Multimeters
9030 39	--	Other:
9030 39 10	---	Ammeters, volt meters and watt meters
9030 39 20	---	Spectrum resistance meters
9030 39 30	---	Capacitance meter
9030 39 40	---	Frequency measuring apparatus
9030 39 50	---	Mega meters
9030 39 90	---	Other

11. Substituted tariff item "9030 83 00" by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007.

12. Omitted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, prior to omission it read as

"9006 62 00	--	Flashbulbs, flashcubes and the like
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13. Omitted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, prior to omission it read as

" 9009		PHOTOCOPYING APPARATUS INCORPORATING AN OPTICAL SYSTEM OF CONTACT TYPE AND THERMO COPYING APPARATUS
	-	Electrostatic photocopying apparatus:
9009 11 00	--	Operating by reproducing the original image directly onto the copy (direct process)
9009 12 00	--	Operating by reproducing the original image via an intermediate onto the copy (indirect process)
	-	Other Photocopying apparatus:
9009 21 00	--	Incorporating an optical system
9009 22 00	--	Of the contact type
9009 30 00	-	Thermo-copying apparatus
	-	Parts and accessories:
9009 91 00	--	Automatic document feeders
9009 92 00	--	Paper feeders
9009 93 00	--	Sorters
9009 99 00	--	Other

14. Omitted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, prior to omission it read as

" 9031 30 00	`	Profile projectors
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15. Omitted by the seventh schedule of Finance Act, 2006, w.e.f. 01.01.2007, prior to omission it read as:

"9027 40 00	-	Exposure meters
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16. Substituted by the Finance Act, 2010 for the following : - "8%"