



International Labour Organization
Organisation internationale du Travail
Organización Internacional del Trabajo

*Updating the
International Standard Classification of Occupations (ISCO)*

Draft ISCO-08 Group Definitions:

Occupations in Manufacturing

Updated 08 May 2009

POLICY INTEGRATION DEPARTMENT
BUREAU OF STATISTICS

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ISCO-08 Draft Definitions - Manufacturing

ISCO 08 Code

3122

Title EN

Manufacturing supervisors

Lead Statement

Manufacturing supervisors co-ordinate and supervise the activities of process control technicians, machine operators, assemblers, and other manufacturing labourers.

Task statement

Tasks include:

- (a) co-ordinating and supervising the activities of process control technicians, machine operators, assemblers, and other manufacturing labourers;
- (b) organizing and planning the daily work with regard to plans, economy, staff and environment;
- (c) preparing cost estimates, records and reports;
- (d) identifying shortage of staff or components;
- (e) ensuring safety of workers;
- (f) instructing and training new staff.

Included occupations

Examples of the occupations classified here:

- Area co-ordinator, manufacturing
- Assembly supervisor
- Foreman/woman, assembly
- Finishing supervisor
- Production supervisor, manufacturing

ISCO 08 Code

814

Title EN

Rubber, plastic and paper products machine operators

Lead Statement

Rubber, plastic and paper products machine operators operate and monitor machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber and plastics or produce different paper products from paper, paperboard, cardboard and similar materials.

Tasks performed usually include: operating and monitoring machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber and plastics; operating and monitoring machines which produce various paper products; examining outputs for defects and conformity to specifications and adjusting machine settings accordingly.

ISCO 08 Code**8141****Title EN****Rubber products machine operators****Lead Statement**

Rubber-products machine operators operate and monitor machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber, such as moulded footwear, domestic articles, insulating materials, industrial accessories, or tyres.

Task statement

Tasks include:

- (a) operating and monitoring machines which knead, mix and blend rubber and rubber compounds for further processing;
- (b) operating and monitoring machines which produce sheets of rubber or rubberised fabric by a rolling process;
- (c) operating and monitoring machines which extrude compounded rubber or shape vulcanised rubber by moulding;
- (d) operating and monitoring machines which build up tyres on a form, vulcanise tyres and mould or rebuild used tyres;
- (e) examining outputs for defects and conformity to specifications;
- (f) locating defects and repairing worn and faulty tyres by vulcanising or other processes.

Included occupations

Examples of the occupations classified here:

- Latex worker
- Machine-operator, extruding/rubber
- Machine-operator, milling/rubber
- Rubber moulder
- Machine-operator, rubber products
- Tyre maker
- Tyre repairer
- Vulcaniser

ISCO 08 Code**8142****Title EN****Plastic products machine operators****Lead Statement**

Plastic-products machine operators operate and monitor machines which knead and blend compounds to obtain plastic materials and which make various plastic components and articles.

Task statement

Tasks include:

- (a) operating and monitoring machines which knead and blend compounds to obtain plastic materials;
- (b) operating and monitoring machines which shape plastic materials by moulding, extrusion, blowing, cutting and other means;
- (c) operating and monitoring machines which laminate plastics and plastic impregnated materials or produce fibreglass;
- (d) encasing uncoated wire, cord, cable and optic fibre in plastic;
- (e) examining outputs for defects and conformity to specifications;
- (f) recycling waste plastic materials;
- (g) making artificial eyes and contact lens discs, making and repairing spectacle frames and plastic parts of orthopaedic appliances.

Included occupations

Examples of the occupations classified here:

- Boat builder, plastics
- Bottle blowing machine-operator, plastics
- Laminated press operator, plastics
- Machine-operator, extruding/plastics
- Machine-operator, plastics products
- Optic fibre drawer
- Plastic cable-making machine-operator
- Plastic moulder

ISCO 08 Code**8143****Title EN****Paper products machine operators****Lead Statement**

Paper-products machine operators operate and monitor machines which produce boxes, envelopes, bags and other goods from paper, paperboard, cardboard and similar materials.

Task statement

Tasks include:

- (a) operating and monitoring machines which glue paper to cardboard, cut it to the required length or cut and crease cardboard or paperboard to form box blanks;
- (b) operating and monitoring pressing machines which form drinking cups or other containers from paper, paperboard or cardboard;
- (c) operating and monitoring machines which cut, fold and glue paper to make envelopes and paper bags, or which form bags from other similar materials.

Included occupations

Examples of the occupations classified here:

- Machine-operator, cardboard products
- Machine-operator, envelope and paper bag production
- Machine-operator, paper box production
- Paper products machine-operator
- Papier mache moulder

ISCO 08 Code**8183****Title EN****Packing, bottling and labelling machine operators****Lead Statement**

Packing, bottling and labelling machine operators operate and monitor machines which weigh, pack and label various products, or fill different containers with products.

Task statement

Tasks include:

- (a) operating and monitoring machines weigh, wrap, seal and pack various products;
- (b) operating and monitoring machines which fill and seal tubes, bottles, cans, boxes, bags and other containers with products, such as food, beverages, paints, oils and lotions;
- (c) operating and monitoring machines which, by gluing or other methods, label products, packages and various containers.

Included occupations

Examples of the occupations classified here:

- Bottle filler
- Machine-operator, labelling
- Machine-operator, packing
- Machine-operator, wrapping

Excluded occupations

Some related occupations classified elsewhere:

Crane operator – 8343
Lift truck operator – 8344
Hand packer – 9321

ISCO 08 Code
82
Title EN
Assemblers

Lead Statement

Assemblers assemble prefabricated parts or components to form subassemblies, products and equipment, according to strictly laid down procedures.

Tasks performed by workers in this sub-major group usually include: assembling components into various types of products and equipment, according to strictly laid down procedures.

ISCO 08 Code
821
Title EN
Assemblers

Lead Statement

Assemblers assemble prefabricated parts or components to form subassemblies, products and equipment, according to strictly laid down procedures. The products worked on may be moved from one worker to the next along assembly lines.

Tasks performed usually include: assembling components into various types of products and equipment, according to strictly laid down procedures.

ISCO 08 Code**8211****Title EN****Mechanical machinery assemblers****Lead Statement**

Mechanical machinery assemblers assemble according to strictly laid down procedures, component parts of mechanical machinery such as engines, motor vehicles, turbines and aircraft.

Task statement

Tasks include:

- (a) assembling and installing prefabricated parts or components to form subassemblies, mechanical machinery, engines and finished motor vehicles;
- (b) rejecting faulty assembly components.

Included occupations

Examples of the occupations classified here:

- Gearbox assembler
- Engine assembler
- Bench fitter, trucks
- Vehicle assembler
- Engine installer
- Aircraft assembler
- Turbine assembler

Excluded occupations

Some related occupations classified elsewhere:

- Bicycle assembler - 8219
- Electro-mechanical equipment assembler - 8212

Notes

ISCO 08 Code**8212****Title EN****Electrical and electronic equipment assemblers****Lead Statement**

Electrical and electronic equipment assemblers assemble or modify, according to strictly laid down procedures, components of electrical, electro-mechanical and electronic equipment.

Task statement

Tasks include:

- (a) assembling component parts and electrical and electronic systems and positioning, aligning and fastening units to assemblies, sub-assemblies, or using hand or power tools, soldering and micro-welding equipment.;
- (b) inspecting and testing completed electrical, mechanical and electronic components and assemblies, wiring installations and circuits and rejecting faulty assembly components;
- (c) reviewing work orders, specifications, diagrams and drawings to determine materials needed and assembly instructions;
- (d) recording production and operational data on specified forms;
- (e) operating wire-coiling machines to wind wire coils used in electrical equipment and components such as registers, transformers, armature wires, electric motors and generators.

Included occupations

Examples of the occupations classified here:

- Armature assembler
- Assembler, electronic equipment
- Electrical equipment assembler
- Electromechanical equipment assembler
- Electronic equipment assembler
- Etcher, printed circuit board
- Telephone assembler
- Television assembler

Excluded occupations

Some related occupations classified elsewhere:

Electronics mechanics and servicers – 7421

Precision instrument-makers – 7312

ISCO 08 Code**8219****Title EN****Assemblers not elsewhere classified****Lead Statement**

Assemblers not elsewhere classified assemble, according to strictly laid down procedures various products whose component parts do not include electronic, electrical, or mechanical elements.

Task statement

Tasks include:

- (a) assembling component parts and electrical and electronic systems and positioning, aligning and fastening units to assemblies, sub-assemblies, or using hand or power tools, soldering and micro-welding equipment.;
- (b) reviewing work orders, specifications, diagrams and drawings to determine materials needed and assembly instructions;
- (c) recording production and operational data on specified forms;
- (d) inspecting and testing components and completed assemblies and rejecting faulty products.

Included occupations

Examples of the occupations classified here:

- Ammunition assembler
- Assembler, bicycles
- Assembler, cameras
- Assembler, composite products
- Assembler, metal products
- Assembler, plastic products
- Assembler, rubber products
- Assembler, wood products
- Assembler, wooden doors
- Box builder, wood
- Eyeglass frame assembler
- Furniture finisher, wood
- Jewellery assembler
- Knife assembler
- Leather products assembler
- Luggage finisher
- Paperboard products assembler
- Pen and pencil assembler
- Plastic toy assembler
- Prefabricated housing assembler (?)
- Sun-blinds assembler
- Textile products assembler
- Thermos bottle assembler
- Umbrella maker

ISCO 08 Code

932

Title EN

Manufacturing labourers

Lead Statement

Tasks performed usually include: packing material and various products by hand; filling bottles, boxes, bags and other containers with products by hand; labelling products and containers by hand; conveying goods, material, equipment to work area; cleaning machinery, equipment and tools; carrying out manual sorting of products or components; carrying out simple hand-assembling of components.

ISCO 08 Code
9321
Title EN
Hand packers

Lead Statement

Hand packers weigh, pack and label materials and products by hand.

Task statement

Tasks include:

- (a) weighing, wrapping, sealing and packing material and various products by hand;
- (b) filling bottles, cans, boxes, bags and other containers with products by hand;
- (c) labelling products, packages and various containers by hand.

Included occupations

Examples of the occupations classified here:

- Labeller, hand
- Packer, hand
- Wrapper, hand

Excluded occupations

Some related occupations classified elsewhere:

Machine-operator, labelling – 8183

Machine-operator, packing – 8183

Machine-operator, wrapping – 8183

ISCO 08 Code

9329

Title EN

Manufacturing labourers not elsewhere classified

Lead Statement

Manufacturing labourers not elsewhere classified assist the work of machine operators and assemblers and perform a variety of manual tasks in manufacturing.

Task statement

Tasks include:

- (a) conveying goods, material, equipment, etc. to work area, removing finished pieces;
- (b) loading and unloading vehicles, trucks and trolleys;
- (c) clearing machine blockages, cleaning machinery, equipment and tools;
- (d) carrying out manual sorting of products or components;
- (e) carrying out simple hand-assembling of components.

Included occupations

Examples of the occupations classified here:

Bottle sorter
Factory hand
Material handler
Stacker

Excluded occupations

Some related occupations classified elsewhere:

Electrical equipment Assembler – 8212
Electronic equipment Assembler – 8212
Leather products Assembler – 8219
Rubber products Assembler – 8219