

# Glossary

**24-hour** [ADJ-U15] If something is **24-hour**, it occurs or operates throughout the entire day and night. **całodobowy**

**act of god** [PHRASE-U11] An **act of god** is an event with an undesirable outcome, which is caused by uncontrollable factors rather than any person's error or misjudgment. **siła wyższa**

**alternate** [V-I-U12] To **alternate** between two things is to switch repeatedly from one thing to the other. **występować na przemian**

**antenna** [N-COUNT-U4] An **antenna** is an electrical component that sends or receives radio waves for communication. **antena (np. radiowa, telewizyjna)**

**arm** [N-COUNT-U2] An **arm** is a moving part of a machine that extends outwards and is used to transfer or manipulate something. **dźwignia, ramię**

**AS/RS** [ABBREV-U5] An **AS/RS** (automated storage and retrieval system) is a method for moving and storing products. It includes a platform that travels through a storage space, removes the desired items, and transports the products to their destinations. **zautomatyzowany system magazynowania i wyszukiwania**

**assembly operations parts list** [N-COUNT-U6] An **assembly operations parts list**, or bill of materials, is a list of all the parts and materials that are required to make a particular product. **lista części operacji montażowych**

**assembly process summary** [N-COUNT-U6] An **assembly process summary**, or routing, is an overview of an assembly process, indicating each step or station that the product will travel through. **podsumowanie procesu montażu**

**assembly work instructions** [N-COUNT-U6] **Assembly work instructions** are detailed directions for preparing and assembling parts during each step of an assembly process. **instrukcje prac montażowych**

**asymmetry** [N-UNCOUNT-U9] **Asymmetry** is the property of having two sides that are different, so that the sides do not mirror each other. **asimetria**

**AVGS** [ABBREV-U3] An **AVGS** (automated guided vehicle system) is a transportation system in which a vehicle travels along the floor of the factory in order to deliver materials. **system pojazdów sterowanych automatycznie**

**axis** [N-COUNT-U2] An **axis** is a straight line that something rotates on or around. **osi**

**battery** [N-COUNT-U4] A **battery** is a type of power source that contains energy within a device, and does not require an attachment to a land-based electrical system. **bateria, akumulator**

**bill of materials** [N-COUNT-U6] A **bill of materials**, or assembly operations parts list, is a list of all the parts and materials that are required to make a particular product. **zestawienie materiałów**

**bin** [N-COUNT-U5] A **bin** is a container for storing something. **pojemnik, skrzynia (do przechowywania różnych przedmiotów)**

**break** [N-COUNT-U13] A **break** is a period of time when someone stops working and rests. **przerwa (np. w pracy)**

**breakage** [N-UNCOUNT-U11] **Breakage** is a measure of the number of units that are damaged during shipping of a product. **uszkodzenie, zniszczenie, stłuczka (przedmioty stłuczone podczas transporu lub w trakcie produkcji)**

**buffer** [N-COUNT-U1] A **buffer** is a barrier or area of separation between people or things. **bufor, zabezpieczenie**

**call in sick** [PHRASE-U13] To **call in sick** is to contact one's employer and request time off because of illness, generally on the same day that the illness occurs. **zgłoś chorobę w pracy**

**call-out** [N-COUNT-U6] A **call-out** is an important notification about the parts or processes involved in making a product, and may be included with the assembly operations parts list or assembly work instructions. **objaśnienie (na temat części lub procesów związanych z produkcją)**

**capacitor** [N-COUNT-U4] A **capacitor** is an electrical component that collects and stores electricity before releasing it. **kondensator**

**capital asset** [N-COUNT-U6] A **capital asset** is a product that is used to make another product. **tu: wzór, model, na podstawie którego wykonuje się kolejne produkty**

**cargo** [N-UNCOUNT-U11] **Cargo** is something that is being transported from one place to another in a shipping container or vehicle. **ładunek (towary przewożone w specjalnym kontenerze)**

**carousel** [N-COUNT-U3] A **carousel** is a machine with a conveyor belt that transports products around a vertical or horizontal loop. **transporter taśmowy (np. na lotnisku)**

**checkup** [N-COUNT-U13] A **checkup** is a visit to a doctor in which the doctor examines the patient for general health and fitness, rather than a specific illness. **badania kontrolne**

**circuit** [N-COUNT-U4] A **circuit** is a loop along which an electrical current travels. **tu: obwód elektryczny**

**configure** [V-T-U1] To **configure** something is to organize its parts in a particular way. **konfigurować**

**consistent** [ADJ-U10] If something is **consistent**, it exists or occurs in the same way repeatedly, without variation. **jednolity, spójny**

**contagious** [ADJ-U13] If someone is **contagious**, he/she has an illness that is easily spread to other people by touching them or breathing the same air. **zaraźliwy, zakaźny**

**costly** [ADJ-U10] If something is **costly**, it requires a large amount of money. **kosztowny**

**critical tolerance** [N-COUNT-U9] A **critical tolerance** is a quality that is essential to the proper functioning of a part or product, and will cause failure if it is altered. **tolerancja krytyczna (wartość parametru wraz z granicami tolerancji, pozwalająca odróżnić stan akceptowalny materiału od stanu nieakceptowalnego)**

**CS/RS** [ABBREV-U5] A **CS/RS** (carousel storage and retrieval system) is a method for moving and storing products in which the products move along a conveyor that travels in a loop. **taśmowy system transportu produktów na terenie fabryki (odbywa się w zamkniętym obwodzie)**

**defect** [N-COUNT-U8] A **defect** is an error or irregularity in something so that it is not useful. **defekt, wada, usterka**

**delay** [N-COUNT-U8] A **delay** is a situation in which something happens later than it was intended to happen. **opóźnienie**

**delivery** [N-UNCOUNT-U11] **Delivery** is the process of taking something to its intended destination and leaving it there. **dostawa**

**design tolerance** [N-COUNT-U8] A **design tolerance** is a range of acceptable qualities that materials or parts in an assembly are allowed to have. **tolerancja projektowa**

**detect** [V-T-U9] To **detect** something is to know or recognize that it exists. **wykrywać, dostrzegać, zauważać**

**diet** [N-COUNT-U13] A **diet** is the set of foods that a person eats regularly. **dieta, sposób odżywiania**

**digital** [ADJ-U5] If something is **digital**, it is stored in a numeric format that is read and displayed by computers. **cyfrowy**

**dimensions** [N-COUNT-U8] **Dimensions** are the measurements of the size, shape, weight, or other physical qualities of something. **wymiary**

**diode** [N-COUNT-U4] A **diode** is a semiconductor with one component that conducts electricity very well and another component that does not. **dioda**

**dispatcher** [N-COUNT-U3] A **dispatcher** is a person who loads materials onto a conveyor and sends them to the appropriate destinations. **dyspozytor transportu**

**diversion gate** [N-COUNT-U3] A **diversion gate** is a point along a transportation system where a product is directed towards a particular conveyor. **rozdzielacz, przesyp dwudrogowy**

**documentation** [N-UNCOUNT-U6] **Documentation** is the act of recording and keeping information about something. **dokumentacja**

**downtime** [N-UNCOUNT-U10] **Downtime** is a period of time when something is not occurring, or cannot occur. **okres przerwy**

**drop delivery** [N-COUNT-U12] A **drop delivery** is a way of placing an item in its designated location by dropping it into a container in a way that requires minimum movement of the body. **metoda szybkiego, ręcznego umieszczania produktów w miejscu docelowym**

**drying time** [N-COUNT-U7] A **drying time** is the amount of time required during an assembly for adhesives, paint, or other wet substances to completely dry and harden. **czas schnięcia**

**effort** [N-UNCOUNT-U12] **Effort** is the work or energy required for someone to complete a task. **wysiłek, trud, staranie**

**electricity** [N-UNCOUNT-U4] **Electricity** is energy in a form that can travel through wires and cables. **elektryczność, energia elektryczna**

**ergonomic** [ADJ-U12] If something is **ergonomic**, it is designed to fit naturally and comfortably with the human body. **ergonomiczny**

# Glossary

**evening** [N-COUNT-U15] The **evening** is the period at the end of the day, when daylight disappears. **wieczór**

**exercise** [N-UNCOUNT-U13] **Exercise** is the act of moving one's body in order to improve fitness. **tu: gimnastyka, ďanicie fizyczne**

**exposure** [N-UNCOUNT-U14] **Exposure** is the state of being contacted or affected by something, and often refers to something harmful. **narażenie, wystawienie (np. na działanie szkodliwych substancji, promieniowania itd.)**

**extended-work-area robot** [N-COUNT-U2] An **extended-work-area robot** is a machine that can move along five axes of motion, and can perform versatile tasks. **robot o rozszerzonym obszarze działania (może się poruszać w pięciu różnych kierunkach)**

**fatigue** [N-UNCOUNT-U14] **Fatigue** is the state of feeling very tired. **zmęczenie, znużenie**

**finishing** [N-UNCOUNT-U7] **Finishing** is the process of adding the final elements to a product, such as paint or other material on the surface. **wykończenie (np. ostatni etap procesu budowlanego)**

**fitness** [N-UNCOUNT-U13] **Fitness** is the state of a person's physical health and strength. **sprawność fizyczna**

**fixed** [ADJ-U12] If something is **fixed**, it always remains in the same place. **sztywny, stały, przymocowany**

**flex hours** [N-COUNT-U15] **Flex hours** are a system in which an employee may adjust his/her schedule and work whenever he/she chooses, as long and he/she works the correct number of hours. **elastyczny czas pracy**

**flexibility** [N-UNCOUNT-U10] **Flexibility** is the state of being easy to change or adapt to different conditions. **elastyczność**

**floor space** [N-UNCOUNT-U10] **Floor space** is the size of the area across a factory floor that is available for use. **powierzchnia**

**flow** [N-UNCOUNT-U1] **Flow** is the smooth, continuous progression or movement of something. **przepływ**

**FOB** [ABBREV-U11] **FOB** (freight on board) is an indication of how much of the shipping a seller will pay for and remain liable for, and how much will be the buyer's responsibility. For example, "FOB New York" indicates that the seller will handle shipping until the cargo reaches the port at New York, after which point the buyer is responsible. **franco statek (dostawca ponosi wszystkie koszty do momentu znalezienia się towaru na statku)**

**foot-operated** [ADJ-U12] If something is **foot-operated**, a worker presses a button or lever with his/her foot to make it function. **nożny, sterowany nogą**

**fracture** [N-COUNT-U14] A **fracture** is an injury in which a person's bone becomes cracked or broken. **złamanie, pęknięcie**

**fuel** [N-UNCOUNT-U4] **Fuel** is a type of power source that is added to a system and then consumed by the system. **paliwo**

**full-time** [ADJ-U15] If an employee is **full-time**, he/she works a minimum number of hours per week, which is typically thirty-five to forty hours, depending on the laws of the region or country. **w pełnym wymiarze godzin, na pełny etat**

**function testing** [N-UNCOUNT-U8] **Function testing** is the process of determining that a product serves the purpose that it was designed for. **kontrola działania, testowanie funkcjonalności**

**geometry** [N-UNCOUNT-U9] **Geometry** is the subject that addresses lines, angles, and other properties of physical shapes. **geometria**

**graveyard** [ADJ-U15] If a shift is **graveyard**, it occurs during the nighttime hours, lasting from the evening to the morning. **tu: (o zmianie w pracy) nocna**

**gravity-feed container** [N-COUNT-U12] A **gravity-feed container** is a bin with a sloped bottom so that materials in the bin slide from the high end to the low end. **zbiornik grawitacyjny (materiał zsuwa się w nim na skutek odpowiedniego pochylenia i działania grawitacji)**

**groove** [N-COUNT-U3] A **groove** is a long, narrow cut in the surface of something. **bruzda, wyżłobienie**

**guarantee** [N-COUNT-U11] A **guarantee** is a document or agreement promising that a product will be in a particular condition, and outlining how the guarantor will resolve any problems. **gwarancja**

**heavy lifting** [N-UNCOUNT-U14] **Heavy lifting** is the act of holding and carrying very heavy objects, and must be done carefully to avoid injury. **podnoszenie ciężkich towarów**

**horizontal** [ADJ-U2] If something is **horizontal**, it is positioned parallel to the ground, or moves from side to side rather than up and down. **poziomy, horyzontalny**

**hourly** [ADJ-U15] If a rate of pay is **hourly**, the worker earns a particular amount of money for each hour that he/she works. **za godzinę, od godziny (np. płaca, stawka)**

**in shape** [ADJ-U13] If someone is **in shape**, he/she is healthy and physically fit. **w formie**

**incoming** [ADJ-U1] If something is **incoming**, a particular person or department is receiving it. **przychodzący**

**inhale** [V-T-U14] To **inhale** is to draw something into the body during the process of breathing. **wdychać**

**injury** [N-COUNT-U14] An **injury** is physical damage to a person's body. **uraz, kontuzja**

**installation** [N-UNCOUNT-U10] **Installation** is the process of putting or fixing something in a particular place and preparing it for use. **montaż**

**insurance** [N-UNCOUNT-U11] **Insurance** is a service in which someone pays a company a regular amount of money in exchange for receiving money back in certain situations, like when something bad happens. **ubezpieczenie**

**intricate** [ADJ-U2] If something is **intricate**, it is complex or has many parts. **skomplikowany, złożony**

**inventory** [N-COUNT-U5] An **inventory** is the quantity of a product that a company has in a store or warehouse. **zapas, stan magazynowy**

**labeling** [N-UNCOUNT-U7] **Labeling** is the process of placing words or pictures on something to identify what it is and give information about it. **etykietowanie, metkowanie**

**laceration** [N-COUNT-U14] A **laceration** is an injury in which something cuts or pierces a person's skin. **rana szarpana**

**letter of credit** [N-COUNT-U11] A **letter of credit** is a document from the bank of a buyer guaranteeing that a seller will receive payment when he/she sells goods to that buyer. **list kredytowy, akredytywa**

**liable** [ADJ-U11] If someone is **liable** for something, he/she is responsible for its condition, and must resolve any problems if something bad happens to it. **prawnie odpowiedzialny (za coś)**

**lighting** [N-UNCOUNT-U12] **Lighting** is the arrangement of devices that shine light in an area and make it possible for people to see. **oświetlenie**

**line layout** [N-COUNT-U1] A **line layout** is the arrangement of workstations along an assembly line, and must be designed to allow continuous work flow. **liniowe rozmieszczenie (stanowisk pracy)**

**linear table** [N-COUNT-U2] A **linear table** is a part of a motion system that moves back and forth along a straight line. **stół liniowy (element układu przenoszenia ruchu)**

**link** [V-T-U9] To **link** two things is to connect them to each other. **łączyć**

**magnetic** [ADJ-U4] If something is **magnetic**, it attracts certain metal objects to it. **magnetyczny**

**material handler** [N-COUNT-U10] A **material handler** is any worker in a factory who touches the materials that are used during production. **pracownik produkcji – podawacz**

**maximum** [ADJ-U12] If something is **maximum**, it relates to the highest possible quantity or amount. **maksymalny**

**metallic stripe** [N-COUNT-U3] A **metallic stripe** is a long, narrow line of metallic paint or tape along a floor, which can be detected and followed by certain types of vehicles. **metaliczny pasek (np. umieszczony na podłodze niektórych pomieszczeń fabrycznych)**

**minimum** [ADJ-U12] If something is **minimum**, it relates to the lowest possible quantity or amount. **minimalny**

**morning** [N-COUNT-U15] The **morning** is the period at the beginning of the day, when daylight begins. **poranek**

**motion economy** [N-UNCOUNT-U12] **Motion economy** is the practice of accomplishing tasks with the fewest possible movements of the body. **ekonomia ruchu (wykonywanie zadań za pomocą możliwie najmniejszej liczby ruchów ciała)**

**motion system** [N-COUNT-U2] A **motion system** is a set of computerized parts that move in different directions along particular axes. **układ ruchu**

**muscular** [ADJ-U14] If something is **muscular**, it is related to the muscles, or tissues within the body that control strength and movement. **tu: mięśniowy (dotyczący mięśni)**

**nest** [V-I-U9] To **nest** is to fit easily inside something else. **zagnieździć, umieszczać jeden element w drugim**

**nest location** [N-COUNT-U8] A **nest location** is a place within a machine or assembly system where something occurs. **miejsce łączenia (np. elementów maszyny)**

# Glossary

- network** [N-COUNT-U9] A **network** is a system of connected parts that work together and communicate with each other.  
**system (np. połączonych ze sobą części)**
- obsolescence** [N-UNCOUNT-U10] **Obsolescence** is a state in which a product or system is no longer useful because another product or system has been developed that is more useful. **wychodzenie z użycia, starzenie się**
- on file** [ADV-U11] If something is kept **on file**, it is saved in a particular place, so someone can retrieve and reference it as needed. **tu: (np. o częściach maszyn i innych urządzeń) przechowywany w specjalnym magazynie, tak aby można było ją łatwo odnaleźć**
- operator error** [N-COUNT-U10] An **operator error** is a mistake that a person makes while performing a task. **błąd operatora, błąd ludzki**
- orientation** [N-COUNT-U9] An **orientation** is the position or direction in which something faces, in relation to other things around it. **orientacja, ułożenie, posadowienie**
- overhead** [ADJ-U3] If something is **overhead**, it hangs in the space above a person's head. **napowietrzny (np. kabel)**
- overtime** [N-UNCOUNT-U15] **Overtime** is a number of hours that someone works beyond his/her usual shift, and often earns higher hourly pay than regular hours. **nadgodziny**
- overweight** [ADJ-U13] If someone is **overweight**, he/she has an unhealthy amount of fat on his/her body, usually caused by eating too much and exercising too little. **otyły, posiadający nadwagę**
- overworked** [ADJ-U13] If someone is **overworked**, he/she has worked long hours or performed difficult tasks and feels extremely tired. **przepracowany**
- packaging** [N-UNCOUNT-U7] **Packaging** is the process of placing a product in a box, wrapper, or other covering, generally in preparation for sale. **proces pakowania (przygotowanie do sprzedaży)**
- packing** [N-UNCOUNT-U11] **Packing** is the process of placing items in containers for shipping. **pakowanie przed transportem, pakowanie do wysyłki**
- parallel** [ADJ-U3] If something is **parallel** to something else, the two things are always alongside each other, and they never intersect with each other. **równoległy**
- part bin** [N-COUNT-U1] A **part bin** is a container that is used to store the parts that will be used in an assembly. **skrzynia do przechowywania części przed ich montażem**
- parts fabrication** [N-UNCOUNT-U6] **Parts fabrication** is the process of manufacturing products that will be used as parts in other products. **produkcja części**
- part-time** [ADJ-U15] If an employee is **part-time**, he/she works fewer hours than a full-time job requires. **na pół etatu, w niepełnym wymiarze godzin**
- platform** [N-COUNT-U5] A **platform** is a horizontal surface above the level of the floor or ground. **platforma (np. sprzętowa)**
- point of use** [N-COUNT-U12] A **point of use** is the part of a workstation where a worker handles a particular tool or material. **miejsce użytkowania (np. narzędzia lub materiału)**
- position** [N-COUNT-U8] A **position** is the place where something exists and the direction that it faces. **miejsce, pozycja**
- post-assembly** [ADJ-U5] If something is **post-assembly**, it relates to a final product, after the parts are combined into one. **(o produkcji) gotowy, po montażu**
- posting clerk** [N-COUNT-U7] A **posting clerk** is a person who records the details of orders, shipments, and other business transactions. **pracownik odpowiedzialny za wysyłkę produktów (rejestrujący np. szczegóły zamówienia, przesyłki)**
- posture** [N-UNCOUNT-U14] **Posture** is the position of a person's head and back when he/she is standing or sitting. **postawa, postura, pozycja**
- power and free conveyor** [N-COUNT-U3] A **power and free conveyor** is a transportation system in which materials travel in bins that hang from an overhead track. **automatyczny, podwieszany system transportowy**
- power source** [N-COUNT-U4] A **power source** is a system that provides electricity to an electronic device and allows it to operate. **źródło energii**
- pre-assembly** [ADJ-U5] If something is **pre-assembly**, it relates to raw goods before they are assembled into a single product. **przedmontażowy, przed montażem**

**precaution** [N-COUNT-U13] A **precaution** is an action that is intended to prevent something undesirable from happening.

**ostrożność, środek ostrożności**

**presence** [N-UNCOUNT-U8] **Presence** is the state of existing or being in a particular place. **obecność**

**pricing** [N-UNCOUNT-U7] **Pricing** is the process of determining or indicating the amount of money that customers will pay for a product. **wycena, ustalanie cen**

**productivity** [N-UNCOUNT-U1] **Productivity** is the state of creating something or accomplishing tasks in an effective manner. **produktywność**

**progressive** [ADJ-U1] If something is **progressive**, it follows a sequence of steps towards a particular goal. **stopniowy**

**reach** [V-I-U12] To **reach** is to extend one's arm away from the body in order to touch or grab something. **sięgać, dosiągnąć**

**receive** [V-T-U6] To **receive** something is to officially accept the delivery of it. **odbierać, otrzymywać**

**reconfiguration** [N-UNCOUNT-U10] **Reconfiguration** is the process of moving the parts of something and fitting them together in a different way. **rekonfiguracja, ponowna konfiguracja**

**redesign** [V-T-U9] To **redesign** something is to change features of its original design, or create an entirely new design that is different from the original design. **przeprojektować, przerabiać**

**reject** [V-T-U8] To **reject** something is to determine that it is not suitable for a particular purpose, and decline to use it. **odrzucać**

**reliable** [ADJ-U8] If something is **reliable**, it is likely to have no defects and to function properly. **solidny, niezawodny**

**repetitive strain injury** [N-COUNT-U14] A **repetitive strain injury** is damage to a part of the body, usually involving the arms or hands, that is the result of repeating the same action many times. **powtarzające się urazy przeciążeniowe**

**resistor** [N-COUNT-U4] A **resistor** is an electrical component that is used to control the flow of electricity by limiting the current. **opornik, rezystor**

**respiratory** [ADJ-U14] If something is **respiratory**, it relates to the processes that allow a person to breathe. **oddechowy**

**retrieve** [V-T-U5] To **retrieve** something is to bring it from one location for use in another location. **pobierać (np. materiał z magazynu)**

**return conveyor** [N-COUNT-U3] A **return conveyor** is a conveyor that travels from a workstation back to the dispatcher, usually with empty toteboxes. **transporter powrotny**

**rhythm** [N-COUNT-U12] A **rhythm** is a series of repeated movements or actions. **rytm**

**robotic** [ADJ-U2] If something is **robotic**, it is controlled by a computer in order to complete a task. **zautomatyzowany, zrobotyzowany**

**rotational table** [N-COUNT-U2] A **rotational table** is a part of a motion system that moves along a circular path. **stół obrotowy (element układu przenoszenia ruchu)**

**routing** [N-COUNT-U6] A **routing**, or assembly process summary, is an overview of an assembly process, indicating each step or station that the product will travel through. **wyznaczanie trasy, trasowanie**

**savings** [N-COUNT-U10] **Savings** are an amount of money that someone avoids spending, and therefore is able to keep. **oszczędności**

**self-contained** [ADJ-U7] If something is **self-contained**, it exists alone, without necessarily being connected to something else. **niezależny, samowystarczalny**

**semiconductor** [N-COUNT-U4] A **semiconductor** is a material that allows a limited passage of electricity through it. **półprzewodnik**

**sensor** [N-COUNT-U8] A **sensor** is an electronic device that measures a condition or quality. **czujnik, sensor**

**shift** [N-COUNT-U15] A **shift** is a period of the day when a person is scheduled to work. **zmiana (w pracy)**

**shipping** [N-UNCOUNT-U11] **Shipping** is the process of transporting something from one place to another, and may be done by truck, aircraft, rail, or ship. **transport towaru**

**short-storage** [N-UNCOUNT-U7] **Short-storage** is the process of keeping something somewhere for a short time while it is waiting to be shipped or moved somewhere else. **krótki czas przechowywania (towarów, materiałów itd.)**

# Glossary

**shrinkage** [N-UNCOUNT-U15] **Shrinkage** is a measure of the number of people who are expected to be working, but who are not working. Shrinkage occurs for many reasons, including vacation, sick leave, and termination of employment. **tu: kurczenie się kadry pracowniczej, niedobór pracowników**

**shutdown** [N-COUNT-U10] A **shutdown** is a situation in which all operations in a factory are stopped for a period of time. **zaprzestanie działalności (stałe lub czasowe), likwidacja**

**sick leave** [N-UNCOUNT-U15] **Sick leave** is the state of not working because of an illness or injury. **urlop chorowy, zwolnienie lekarskie**

**special design** [N-COUNT-U6] A **special design** is a product that includes parts or processes that are not typical along the assembly line that is producing it. **specjalna konstrukcja**

**staffing** [N-UNCOUNT-U15] **Staffing** is the act of ensuring that a business has appropriate numbers of employees working at different times. **obsada etatów, dobór kadr**

**storage** [N-UNCOUNT-U5] **Storage** is the process of keeping something in a particular place while it is not being used. **składowanie, magazynowanie, przechowywanie**

**strain** [V-T-U14] To **strain** a part of the body is to twist, stretch, or otherwise move it in a way that harms it. **nadwyrężyć, naciągnąć (np. ścięgno, mięsień itp.)**

**stretch** [V-I-U13] To **stretch** is to move the arms, legs, and other parts of the body in a controlled way in order to loosen the muscles. **rozciągać się, przeciągać się**

**subassembly** [N-COUNT-U7] A **subassembly** is a part that is assembled from other parts, but is not a final product. **podzespół**

**surface height** [N-COUNT-U12] A **surface height** is the distance from the floor to the top of a table or other workspace. **wysokość, na której znajduje się dana płaszczyzna robocza względem podłogi**

**symmetry** [N-UNCOUNT-U9] **Symmetry** is the property of having two sides that are the same, so that one side mirrors the other side. **symetria**

**system breakdown** [N-COUNT-U7] A **system breakdown** is a list of all the materials and subassemblies needed to assemble an electronic product. **wykaz części oraz materiałów składowych danego produktu elektronicznego**

**system house** [N-COUNT-U7] A **system house** is a part of an electronic product that holds all the other parts and combines them into one working system. **bazowa część konstrukcyjna układu elektronicznego (np. płytka drukowana)**

**tangle** [V-I-U9] To **tangle** is to become caught or twisted together with something else, often making the two things difficult to separate. **plątać, wikłać, gmatwać**

**time off** [N-UNCOUNT-U13] **Time off** is time that someone is away from work, such as while on vacation or sick leave. **czas wolny od pracy**

**tooling bin** [N-COUNT-U1] A **tooling bin** is a container that is used to store tools. **skrzynka narzędziowa**

**top assembly** [N-COUNT-U7] A **top assembly** is a final product after all the parts are assembled. **produkt finalny**

**tote pan** [N-COUNT-U1] A **tote pan** is a container that is used to transport completed assemblies or subassemblies to the next station. **pojemnik służący do transportu podzespołów lub innych elementów w ramach procesu produkcyjnego**

**totebox** [N-COUNT-U3] A **totebox** is a container that carries products, tools, or equipment along a conveyor. **pojemnik transportowy, skrzynka**

**track** [N-COUNT-U3] A **track** is long, narrow piece of metal or other material that guides something along a particular path. **tu: szyna (prowadziąca dany półprodukt w trakcie procesu produkcyjnego)**

**track** [V-T-U5] To **track** something is to monitor its status or position over time. **śledzić, monitorować**

**track design** [N-COUNT-U9] A **track design** is the set of features along an assembly line, including mechanisms for moving and positioning parts. **ścieżka projektowa (specyficzny układ linii produkcyjnej, składający się z wielu elementów)**

**transfer** [N-UNCOUNT-U1] **Transfer** is the process of moving something from one location to another location. **przeniesienie, przesunięcie, transfer**

**transistor** [N-COUNT-U4] A **transistor** is a semiconductor that can change the direction of an electrical signal or convert a small signal into a larger signal. **tranzystor**

# Glossary

**transportation** [N-UNCOUNT-U3] **Transportation** is the process of moving things or people from one location to another. **transport**

**transporter** [N-COUNT-U3] A **transporter** is a type of conveyor system that separates products and sends them through designated diversion gates to the appropriate destinations. **system przenoszenia produktów w procesie ich wytwarzania (np. taśmociąg)**

**turret** [N-COUNT-U2] A **turret** is a part of a machine where multiple work tools can be attached, depending on the needs of the task. **głowica obrotowa (na której mocuje się narzędzia)**

**unit** [N-COUNT-U6] A **unit** is one complete product, containing all the necessary parts and qualities of that product. **sztuka, jednostka (produkту)**

**vacation** [N-UNCOUNT-U15] **Vacation** is an amount of time that an employee may take away from work without penalty. Some companies pay their employees for vacation, while other companies do not. **wakacje, urlop**

**vertical** [ADJ-U2] If something is **vertical**, it is positioned perpendicular to the ground, or moves up and down rather than from side to side. **pionowy**

**vibratory feeder** [N-COUNT-U9] A **vibratory feeder** is a machine that vibrates in order to move pieces into a particular position along an automated assembly line. **podajnik wibracyjny**

**vision** [N-UNCOUNT-U14] **Vision** is a person's ability to see with his/her eyes. **wzrok**

**visual aid** [N-COUNT-U6] A **visual aid** is a picture or diagram indicating how something should be done. **pomoc wizualna (np. rysunek pokazujący, jak należy coś wykonać)**

**warehouse** [N-COUNT-U5] A **warehouse** is a large room or building that is used for storage. **magazyn, skład**

**weekend** [N-COUNT-U15] The **weekend** is a period of two days each week when workers do not work, and occurs on Saturday and Sunday for many people. **weekend**

**work tool** [N-COUNT-U2] A **work tool** is a part at the end of a machine's arm that is designed to perform a specific function. **narzędzie pracy**

**workstation layout** [N-COUNT-U1] **Workstation layout** is the arrangement of a person's work area, including the locations of surfaces, seating, and tools. **rozplanowanie stanowiska pracy**