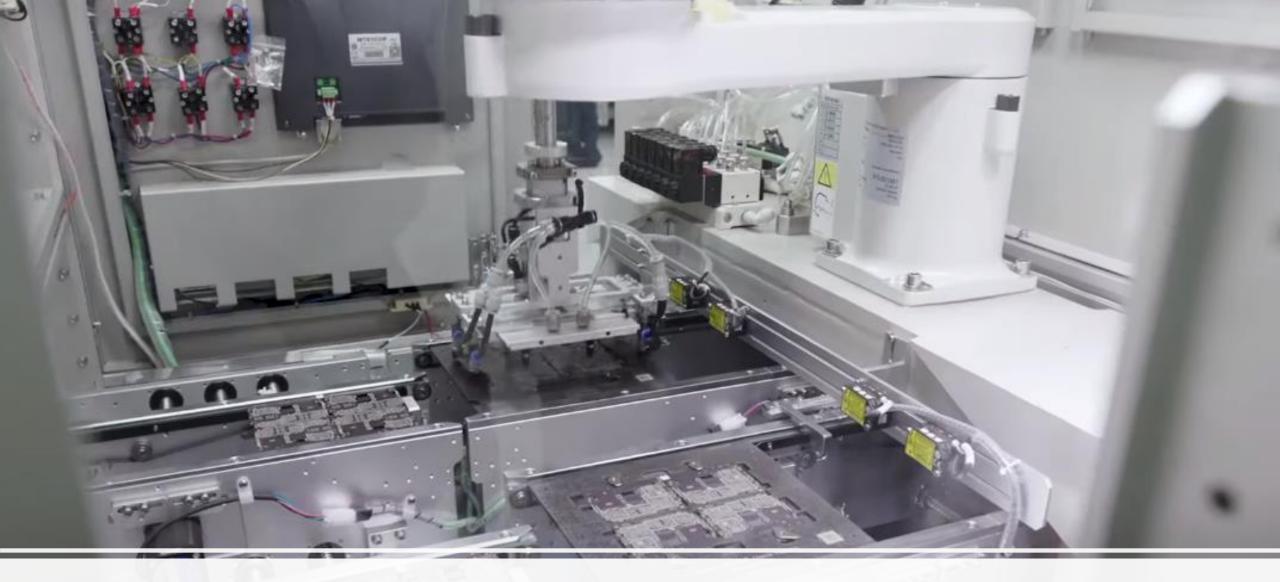


How a Smartphone is Made

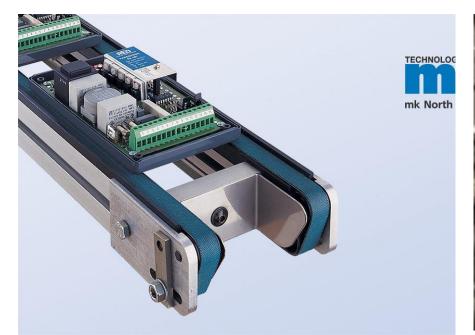


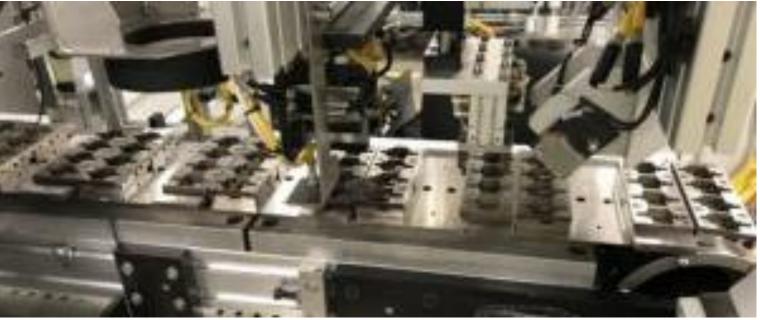


A Robotic Arm usually does most of the technical work of Manufacture

Every Step is followed by an inspection process









Electronics are transported by motor controlled conveyors

Moved With Motors and shafts



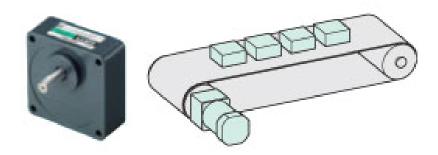
Advantages

- The right conveyor control saves time, money and efficiency. It will optimize your material handling systems and warehouse operations.
- It will allow for variable production rates and quick production changes. Programmable Logic Controls (PLC) allow for this necessary direct system control.
- This centralized network-oriented approach is best primed for automation and attaining the numbers you need to thrive.

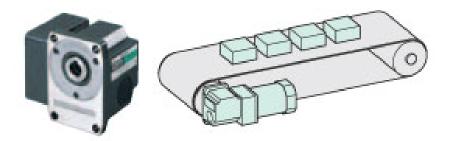
Туре	Features	Output Power	Power Supply
	AC Induction Motors are suitable for applications where the motor is operated continuously in one direction.	1 W (1/750 HP) up to 3 HP	Single-Phase 100-120 VAC Single-Phase 200-240 VAC Three-Phase 200-240 VAC
	AC Reversible Motors are suitable for applications where the motor reverses its direction repeatedly.	1 W (1/750 HP) up to 3 HP	Single-Phase 100-120 VAC Single-Phase 200-240 VAC Three-Phase 200-240 VAC
	AC Motors with Electromagnetic Brake are suitable for applications where the load must always be held in place.	6 W (1/125 HP) up to 3 HP	Single-Phase 100-115 VAC Single-Phase 200-230 VAC Three-Phase 200-230 VAC

Parallel Shaft Gearheads

Right-Angle Gearheads



Parallel Shaft gearheads reduce the motor speed and generate greater torque. A wide range of gear ratios are available.



Right-Angle Gearheads are suitable for applications where space saving is required by allowing the motor to be mounted at a right-angle to the conveyor. Solid shaft and hollow shaft models are available.











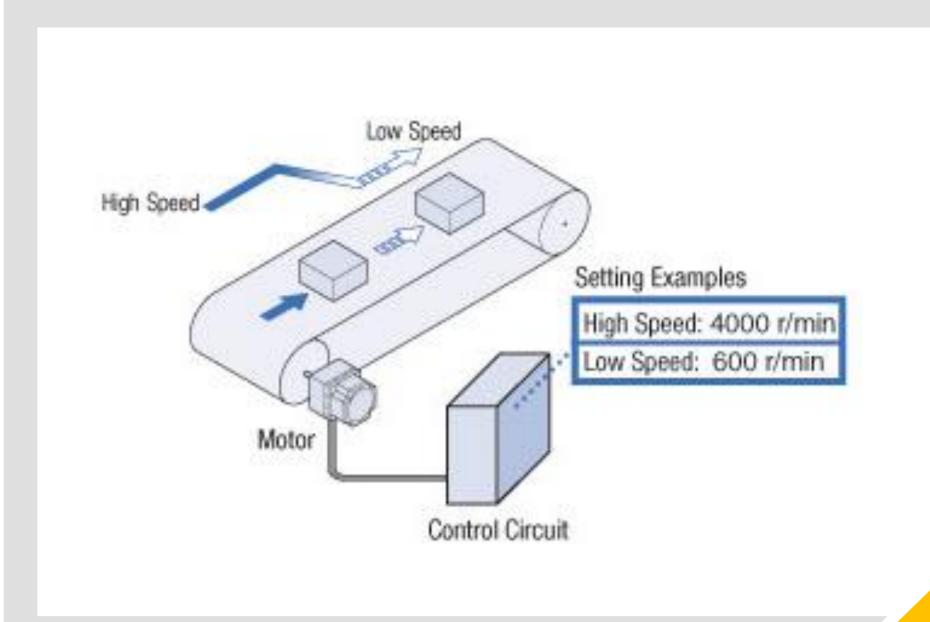




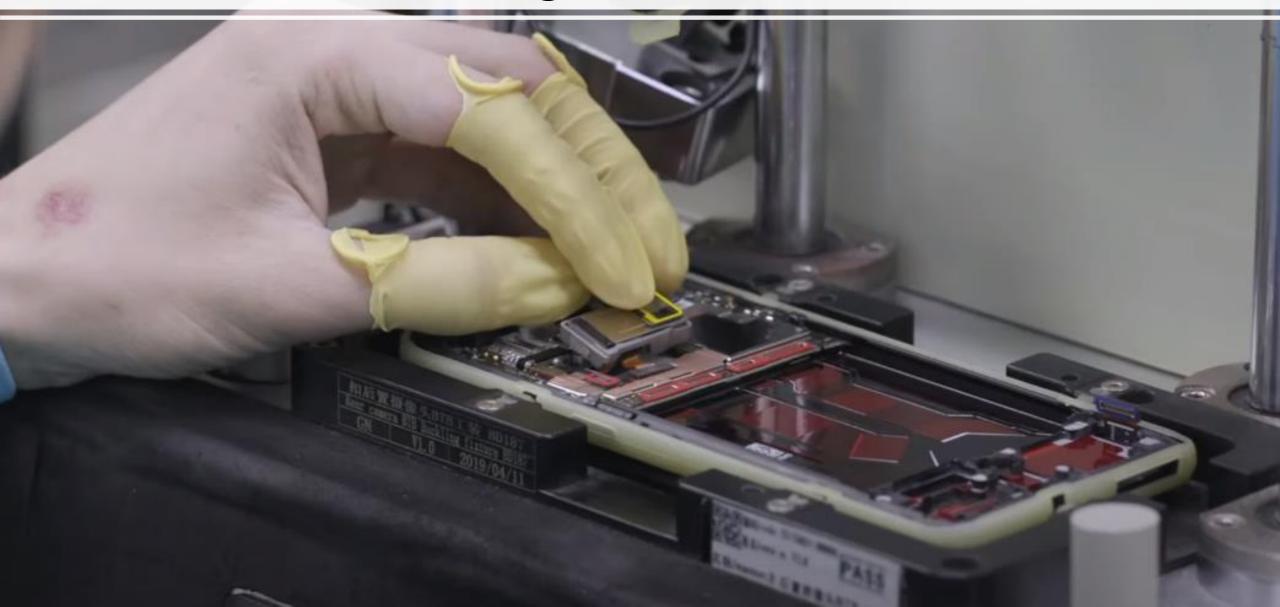
Conveyors used in Phone Manufacturing







Attaching Camera Module







For parts, Belt conveyers are used

Advantages and Disadvantages of belt conveyers

Belt Conveyor System Advantages

- One of the cheapest conveyors
- Simple and easy to use
- Can have changes in elevation
- · Can be loaded from any place along the belt

Disadvantages

- The simplicity means very limited features
- Belt can be difficult to clean and generally does not leave a very successful result
- Sticky material can get stuck on the belt and transfer to the return side, the rolls, idlers and pulleys

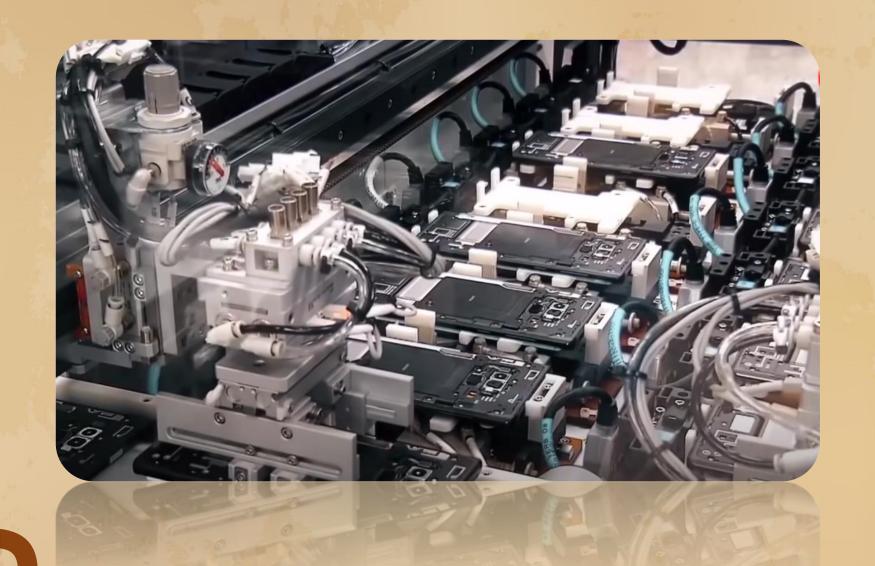




For Finished Products, rollers are used at the end



For Phones, Robotic Arms are used





Testing is finally done by robots



Drop Testing



