Technology evolution trends

No	Trend types
1	Add new substance
2	Add improving substance
3	Mono-bi-poly : Similar objects
4	Mono-bi-poly : Heterogeneous objects
5	Segmentation of substances and objects
6	Space segmentation
7	Surface segmentation
8	Dynamization
9	Harmony of rhythm
10	Harmony of action
11	Controllability
12	Geometric evolution of linear constructions
13	Geometric evolution of solid
14	Trimming



1. Add new substance

This is an example of setting two objects on a tire and a road. Here, in "Adding Between Objects", the caterpillar was placed between the tire and the road.



2. Add improving substance

This is an example in which "two objects" are set as the work "material" and "bite" for lathe processing.





3. Mono-bi-poly : Similar objects

This is an example of setting for speakers in an audio system.



4. Mono-bi-poly : Heterogeneous objects

This is an example of setting a pencil as an object.





5. Segmentation of substances and objects

This is an example set for the processing method.



6. Space segmentation

This is an example set for the form of chocolate.





7. Surface segmentation

This is an example of setting the surface of the tire. Here, the "adhesive tire" is used for racing cars and the like because it prevents slipping when the surface is coated with raw rubber.



8. Dynamization

This is an example of setting for a door. Here, the "light curtain" is used as a safety measure used in a press machine or the like.





9. Harmony of rhythm

This is an example of setting for a toothbrush. Here, in addition to rotation in both directions, resonance vibration and ultrasonic waves are added.



10. Harmony of action

This is an example of setting for car radiators and fans. Here, the meaning of mounting the "engine heater" is to warm up at a low temperature.





11. Controllability

This is an example of setting the drive system of a mechanical system.



12. Geometric evolution of linear constructions

This is an example of setting a lighting fixture.





13. Geometric evolution of solid

This is an example of setting for bearings. Here, the "composite surface" has both a bearing function for rotation of the shaft and a bearing function capable of absorbing meandering of the entire shaft.



14. Trimming

This is an example of setting the mouse of a personal computer. First, some parts of the "mouse" are trimmed to become a "trackball", the ball itself is trimmed to become a "touch panel", and finally the touch panel is also trimmed.



