

Press Applications

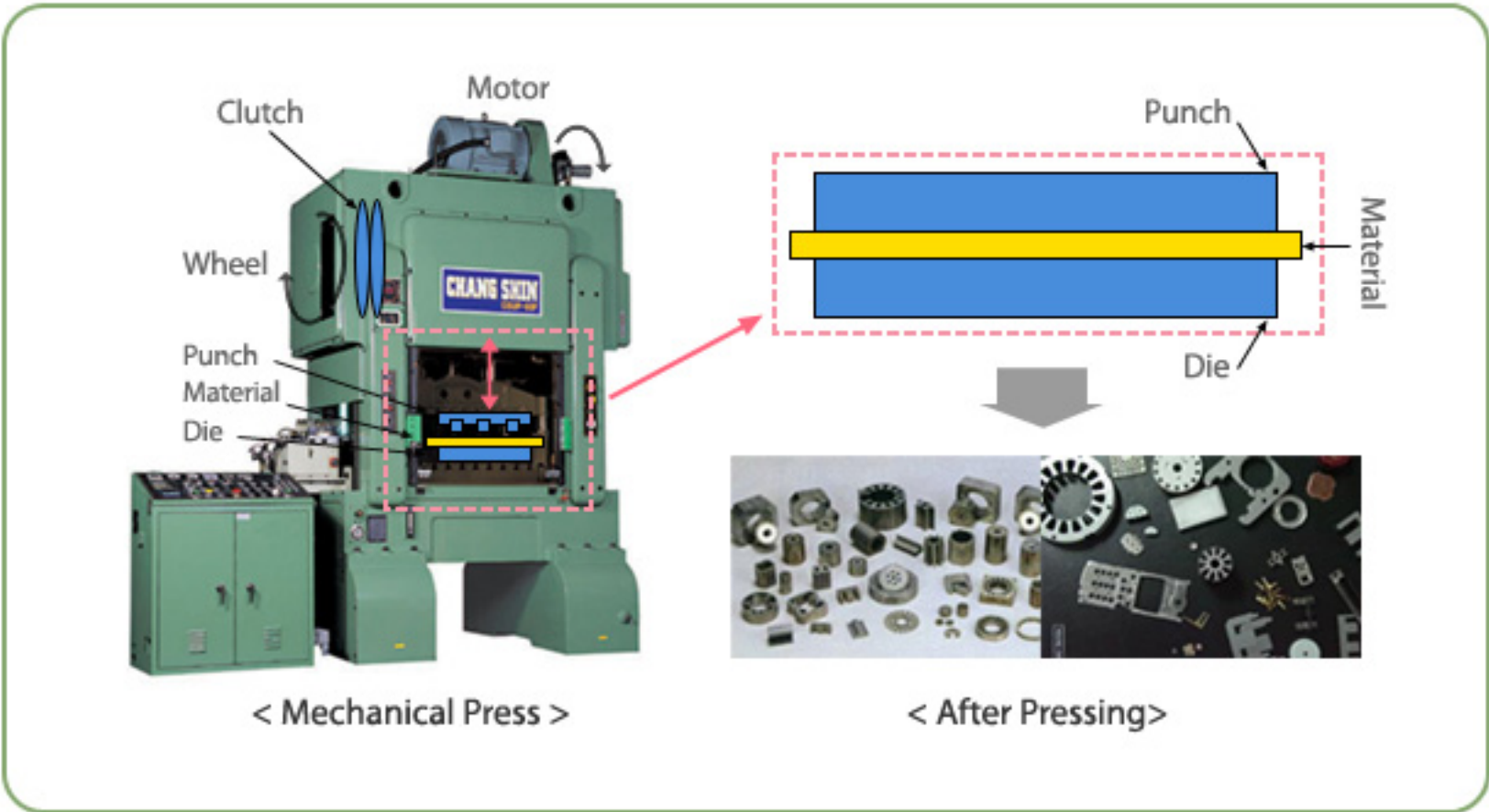
• **Press applition**

The machine that press raw material and made up some small components

• **System feature**

- When the punch impacts against the die, almost 200% of drive rated current could occur
- When the punch goes up after impact, motor generates power (Over-voltage)
- Due to the reason above, press need Dynamic Braking Unit and Dynamic Braking Resistor
- Too much frequent operation will affect the life time of DBU, DBR

• **Main Functions**



Bolt Former

• **Summary**

The machine that press raw materials and made up bolts.

• **Applied product**

IS7-55kW 1ea

• **Key function**

1) **Sensorless Vector Control**

- Sensorless mode make out current stable

2) **Regeneration avoiding**

- IS7 have function to control regenerative voltage
- When motor generates energy, IS7 accelerates motor to consume the energy from the motor
- Effective DC voltage control decrease DBU operation time
- Life time of DBU, DBR could be long than existing system

