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## **Development of a new micro punching machine with micro male and female dies fabricated online**

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### Highlights

- A punch machine with non-circle micro-moulds fabricated online is developed.
- Moulds fabrication, alignment and punching are accomplished on the same machine.
- Profiles of the punched special-shaped micro holes are good without collapse.
- Outputting enough force for punching large parts could be realized on the machine.

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