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(57) Abstract :
The invention relates to an adjustable device (10) for impact force absorption in industrial presses, comprising a press interface plate (1), elastomeric damping layer (2), hydraulic damper unit (3), adjustable spring mechanism (4), control adjustment knob (5), and foundation interface base (6). The device provides multi-stage energy absorption, combining elastomeric, hydraulic, and spring elements. Operators can adjust damping performance according to press load, reducing vibrations, minimizing structural stress, improving safety, and extending machine lifespan. Its modular design ensures compatibility with existing and new press systems.

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