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ABSTRACT



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The stacked core assembly apparatus, which can perform assembly at a high speed while keeping strength of an angle indexing apparatus, comprises a press machine 1, a non-synchronous transmitting apparatus 10 and an angle indexing apparatus 7. The non-synchronous transmitting apparatus 10 transforms a constant revolution of the press machine 1 into a variable revolution. The angle indexing apparatus 7 is connected to the non-synchronous transmitting apparatus 10 via a coupling device 20, and is connected to a rotatably stacking cavity device 51 of a press die 5. An accelerated rotational speed period of an output shaft 13 of the non-synchronous transmitting apparatus 10 is set during a Feeding-Phase period of time of the press machine 1, and thereby, a rotational state completion of a driving shaft 33 of the angle indexing apparatus 7 completes earlier than the Feeding-Phase period of time completion of the press machined 1 so that a non-rotating period of time can be provided.