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**Hatschek machine and equipment
for non-asbestos fiber reinforced cement sheets**

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Abstract: This paper presents a newly developed Hatschek machine and equipment for a complete production line of non-asbestos fiber-reinforced cement sheets. The machine adopted pneumatic mechanism in its operation shows many advantages, especially easily assigning desired pressure at various important positions. A set of highly automated equipment for raw material treatment, product forming and de-molding and lab test was developed in a simple and environment friendly oriented way. The machine and equipment have been implemented into a PVA fiber-reinforced cement sheet factory. After 3 years of operation, the machine and equipment show good performance and efficiency. The factory products are good in both the mechanical and physical properties, and meet all strict requirements of the Japanese Industrial Standard JIS 5430:2004, "fiber reinforced cement boards".