A styrofoam model of a train contains a piece of a type-2 superconducting material. Liquid nitrogen is poured into the train as it is held a small distance above a track which is permanently magnetic, cooling the superconductor and trapping the magnetic flux that is present in it. The track is made from three rows of permanent, high-strength magnets which, in cross-section, are oriented N-S-N. Once cooled, the train will levitate and remain aligned with the track.

S end use circular track.

PIRA DCS 5G50.XX