

Continuous Casting

| Project | Start | Completion | Location | Client | Capacity | |
|---|-----------|------------|-------------------|--------|-----------------|--|
| POSCO Pohang Steelworks | | | | | | |
| No.2 Bloom for No.1 Continuous casting plant | May 2006 | Feb. 2008 | Pohang Steelworks | POSCO | 1.1 million T/Y | A project to construct a new bloom caster for high grade wire rods in the existing No.1 slab yard. - Bloom size: 400 x 500mm |
| Revamping of No.4 machine for No.3 Continuous casting plant | Mar. 2005 | May 2006 | | POSCO | 3.4 million T/Y | A revamping project to replace an existing continuous caster of casting bow type with a continuous caster of segment type for an improvement in productivity. - Slab Size: 250t x (740 ~ 1,650)mm |
| poStrip(Strip Caster) | Jun. 2004 | Jun. 2006 | | POSCO | 0.6 millionT/Y | A project to construct a poStrip Demo Plant for technical development of strip casting process. POSCO E&C carried out all basic design except Mill line by its own ability. - Casting speed : 27.8 ~133 mpm - Casting thickness : 2.0 ~4.0 mm - Coil thickness : 1.6 ~4.0 mm - Coil width : 1040 ~1304 mm |
| Revamping of No.1 machine for No.2 Continuous casting plant | Aug. 2003 | May 2005 | | POSCO | 2.8 million T/Y | A revamping project to rebuild an existing continuous caster into an exclusive plate continuous caster for an improvement in productivity. - Slab Size: 220,300t x (1,600~2,200) mm - Casting Speed: max. 2.0m/min |
| Pilot continuous caster | Dec. 2001 | Mar. 2003 | | POSCO | 0.6 millionT/Y | A project to construct a continuous caster including design and supply of equipment with a government task. POSCO E&C carried out all basic design including casting platform, mold and segment by its own ability. - Casting thickness : 100 mm ~ 140 mm - Casting width : 600 mm ~ 1000 mm - Casting speed : Max. 5 mpm |
| No.1 Bloom for No.1 Continuous casting plant | Dec. 2000 | Nov. 2002 | | POSCO | 0.8 million T/Y | A project to construct a new bloom caster for high grade wire rods and an improvement of productivity in the No.1 continuous casting plant. - Bloom Size: 300 x 400mm |

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| POSCO Gwangyang Steelworks | | | | | | |
| Revamping of No.2 machine for No.1 Continuous casting plant | Apr. 2008 | Aug. 2009 | Gwangyang Steelworks | POSCO | 3.2 million T/Y | A revamping project to rebuild an existing continuous caster into a vertical bending type caster for the demand of automotive steel - Casting speed: 2.1m/min |
| 2 Strand slab caster for Plate mill CCP3 / CCM1 | Jan. 2008 | May-10 | | POSCO | 3.2 million T/Y | A project to construct a new plate caster for an improvement in productivity. - Thickness: 250mm, 300mm - Width: 1,400mm ~ 2,400mm - Length: 5,500mm ~ 12,000mm - Weight: Max. 45ton |
| Revamping of No.3 machine for No.2 Continuous casting plant | Jun. 2006 | Nov. 2007 | | POSCO | 3.5 million T/Y | A revamping project to rebuild an existing bending type caster into a vertical bending type and high speed caster for an improvement in productivity. POSCO E&C applied a new technology which is a secondary cooling water nozzle for high speed control, a width adjustable mold equipment and an automotive robot. - Slab Size: 250t x (820 ~ 1600)mm - Casting Speed: Max. 2.7m/min |
| Revamping of No.4 machine for No.2 Continuous casting plant | Jan. 2004 | Jul. 2005 | | POSCO | 2 million T/Y | A revamping project to rebuild an existing bending type caster into a vertical bending type caster for an improvement in cold rolled steel quality. - Slab size: 250t X (820~2000)mm - Casting Speed: Max. 2.2m/min |

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| Scarfig machine for No.1 & No.2 Continuous casting plant | Mar. 2003 | Feb. 2006 | Gwangyang Steelworks | POSCO | 1 million T/Y x 2M/C | <p>A project to establish a four side scarfig machine and a grinding machine for an improvement of quality in the No.1 &No.2 continuous casting plant.</p> <ul style="list-style-type: none"> - 4 side scarfig machine - Grinding machine - Crack detecting equipment - A dust collector |
| Revamping of No.3 machine for No.1 Continuous casting plant | Dec. 2001 | Jul. 2003 | | POSCO | 1.8 million T/Y | <p>A revamping project to rebuild an exsiting bending type caster into a vertical bending type caster for an improvement in cold rolled steel quality. It is applied a new soft reduction technology which is operated during the casting.</p> <ul style="list-style-type: none"> - Slab Size: 250t x (820~2000)mm - casting Speed: Max. 1.8m/min |
| No.4 machine for No.1 Continuous casting plant | Dec. 1995 | Sep. 1997 | | POSCO | 2.25 million T/Y | <p>A project to construct a vertical bending type caster(1M/C x 2Strand) for an improvement in productivity and cold rolled steel quality.</p> <ul style="list-style-type: none"> - Slab Size: 230t X (800~1,600)W - Casting Speed: Max. 2.2m/min |