

## New Patented Processes of NaBH<sub>4</sub> Production by MERIT Ltd.

### ( I ) Mechano-chemical method with alkaline earth metal hydride



- Conversion of collision energy to chemical energy
- Ambient condition, short time, high borohydride yield
- Metal hydride as protide supplier and oxygen acceptor
- Low energy efficiency (less than 1%)
- Metal hydrogenation process (>400 °C,>1MPa) required

