

## 32-39 On direct transformation from hBN to cBN

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A new apparatus was devised for direct phase transformation from hBN to cBN using the cylindrical explosion technique. The apparatus consisted of multiple thin-metal foils in a metal tube, surrounded by a high efficiency explosive. The space between the multiple thin-metal foils was filled with hBN powder. This apparatus was expected to produce higher pressure and temperature than the ordinary cylindrical method. These high pressures and temperatures have proven to be satisfactory in the direct phase transformation from hBN into cBN. (Journal of Materials Processing Technology 85 (1999) 97-99)