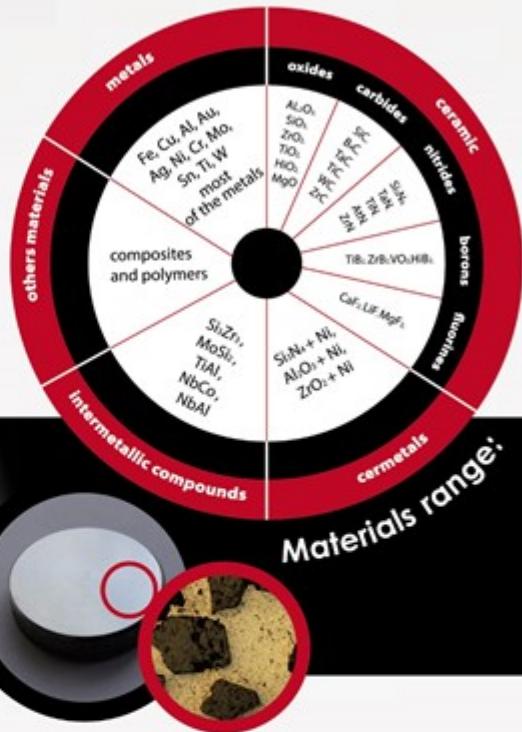


# GeniCore's U-FAST

## Ideal technology for:

- Consolidation a wide range of innovative materials
- Sintering non-conductive materials
- Nano-grain materials thanks very short pulses below 1ms
- Low temperature sintering materials
- High thermal conductive materials



Materials range:



**GeniCore**  
Genius of the Core



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European Regional  
Development Fund



| Parameters                  | U-FAST GeniCore |
|-----------------------------|-----------------|
| Pulse duration [ms]         | 0.8 – 500.0     |
| Pulse duration [ms]         | 1.0 – 500.0     |
| Number of pulses            | 1 – 500         |
| Additional pause [ms]       | 0.0 – 999.0     |
| Maximum pulse current [kA]  | 10              |
| Maximum pressing force [kN] | 350             |
| Dimension components [mm]   | max. 85         |
| Vacuum [mbar]               | $10^{-6}$       |

### Low energy consumption

| Parameters                    | U-FAST (dia=20mm) |
|-------------------------------|-------------------|
| Sintering (min)               | 10                |
| Power consumption kWh/ sample | ~ 0,8             |