Invitation of company and technology

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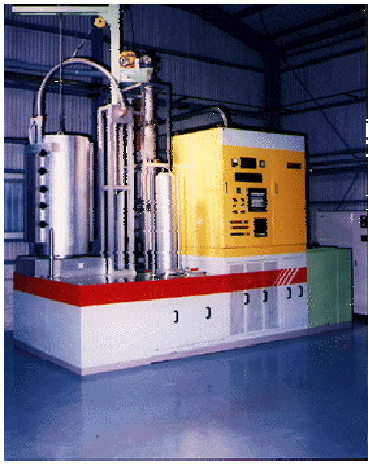
key wards: chemical vapour deposition(CVD),
pulse chemical vapour infiltlation(PCVI),
diesel exhaust gas perfect burning system(DEGPBS)

COTEC CVD SYSTEM (GAZON－TYPE 22)

Type of system	：1H-22-SABSi
Number of Furnace	：1
Number of Reheating zone	：5
Number of Reaction furnace	：1
Effective zone	：φ180×450H
Evaporation temperature	：Working 800℃～1150℃ maximum 1200℃
Evaporation speed	：1～20μm(By Coating membrane)
Evaporation type	：TiC,TiCN,TiN,$A1_2O_3$,TiB_2,SiC
Manual / Automatic	：Semiautomatic, Fully automatic
Power	：3×200V
Consumption electric power	：35Kw
Establishment area	：2m×5m
Neccessity height	：4.5m



ONE POINT

This is a small sized product, but it is 17K bit sequence controled and possible to each kind of composit multilayer mumbrance coating. Specially this is the only one has exception in other kinds of small sized system (plural times AL_2O_3 multilayer membrane etc). Reproducibility and homogeneity are good by autoclave.

SUPER HIGH TEMPERATURE PULSE CVI SYSTEM

TYPE ：PCI－130300 MAIN SPECIFICATION ：

1)Maximum used temperature 2000℃
2)Effective for CVI φ130×300H
for CVD φ130×600H
3)Kinds of Coating
SiC,Si_3N_4,BN,B_4C,Pyrolysis carbon
4)Establishment area 2m×5m×4m

ONE POINT

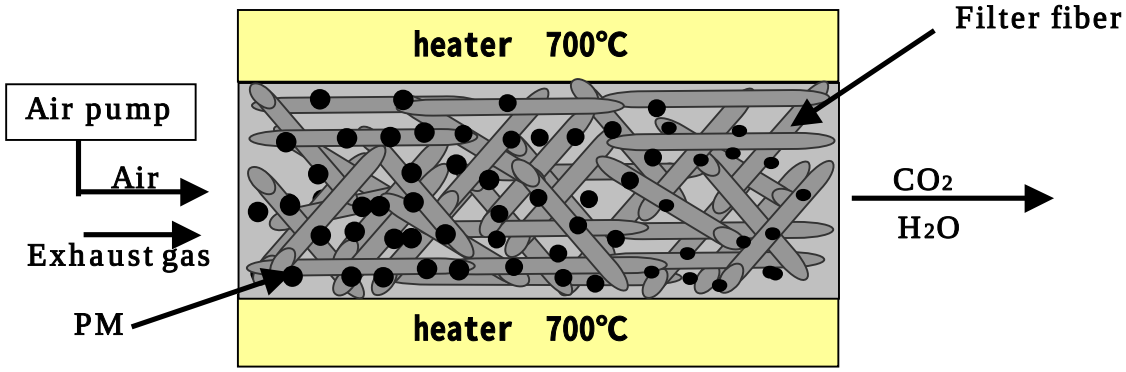
This product is aims at the composite material trial, and it designed correspond to both of pulse CVI system and CVD system. Pulse CVI system is possible to coating to the inside of super complex shape which is impossible by CVD system, furthermore good for development of new stock.

（PATENT NUMBER: 3683572）

Our new technology

DEGPBS(Diesel Exhaust Perfect Burning System)

Recently the particulate matter(PM)is big problems for us.The cause of PM is imperfect burning of diesel exhaust gas. This product remove from particulate matter(PM) from Diesel exhaust gas. The picture is an outward of DEGPBS. DEGPBS is compact system than usual. The following figure indicates the principle of DEGPBS. DEGPBS that our company suggests have the three dimentions netwark structure. The structure consists SiC(silicon carbide) deposited on carbon fiber by pressure pulseCVI equipment made in COTEC.CO.LTD. Therefore,particulate matter(PM) is catched in DEGPBS, PM can be burned perfectly by introduced air and heating. （PATENT NUMBER: 3712713）



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