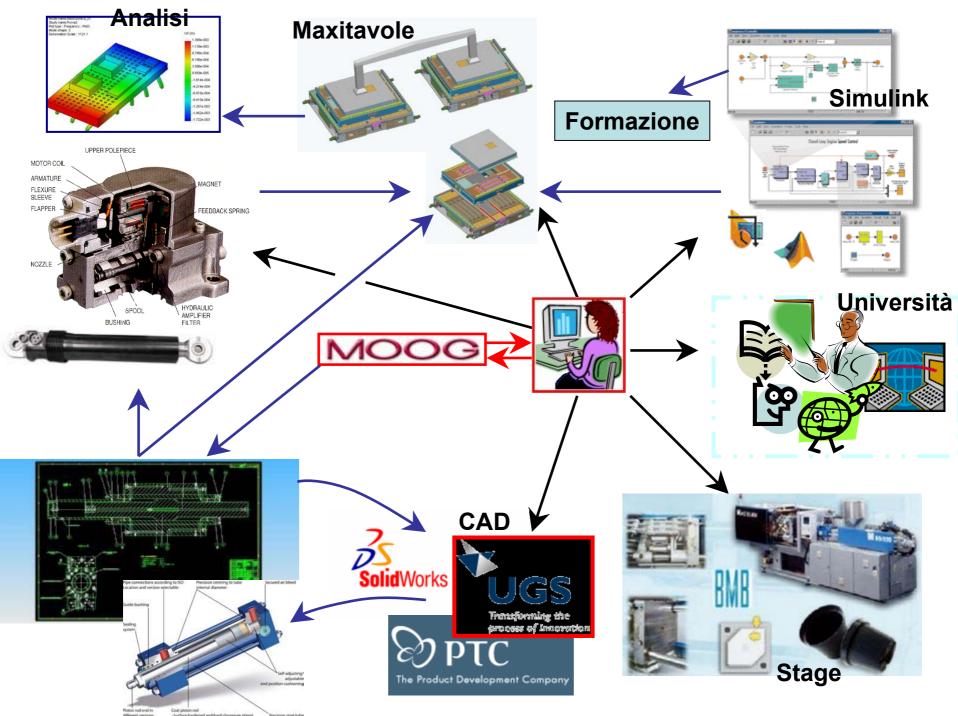


Dottorato di Ricerca in Meccanica Applicata XX ciclo Attività I anno - a.a. 2004/2005

Daniela Amadori

TITOLO:

Disegno di sistemi a supportazione idrostatica ed azionamento oleoidraulico in presenza di forti sollecitazioni vibrazionali





MOOG

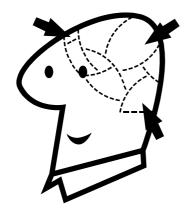


Moog Italiana azienda leader nel settore dei servosistemi per l'automazione industriale sviluppa - produce – commercializza motori e azionamenti

Sviluppo sistemi di controllo per l'Automazione Industriale e Applicazioni Speciali

RUOLO

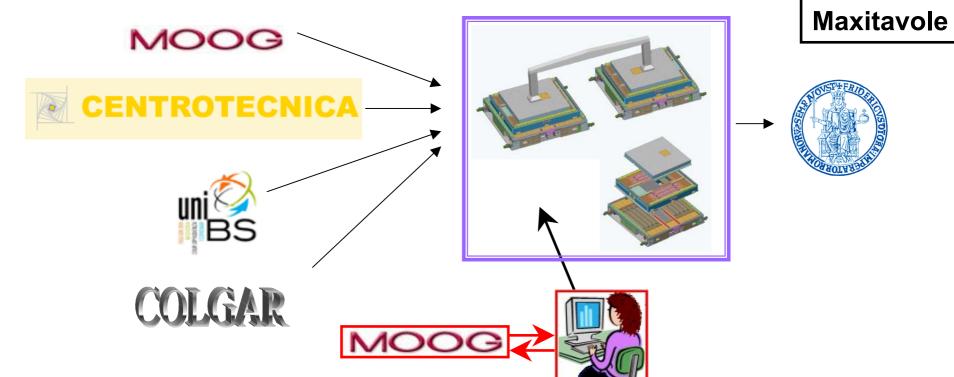




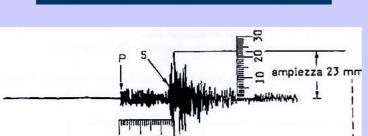
Olioidraulica

Controllistica







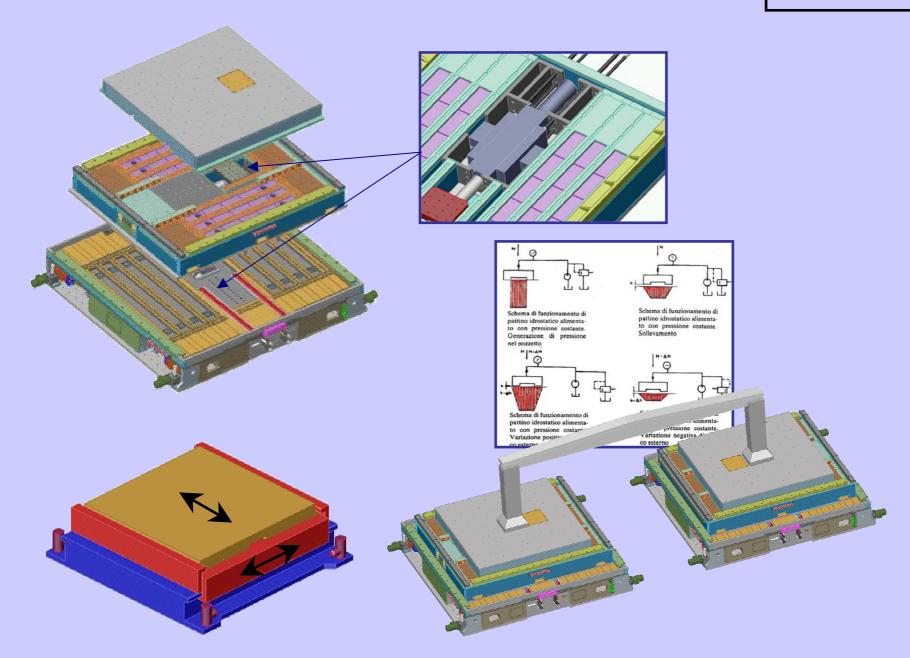




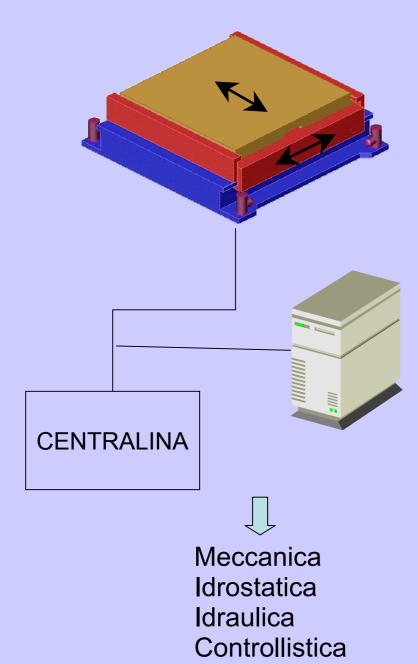
- Superficie utile: 3 x 3 m
- Corsa massima per ciascuna delle due direzioni: +/- 250 mm
- Massimo peso del campione da sottoporre a test: 20 ton
- · Velocità massima: 1 m/s
- Sostentamento idrostatico delle tavole
- Accelerazione massima: 1 g
- Massimo momento ribaltante: 125 ton-m
- · Massimo momento di imbardata: 50 ton-m

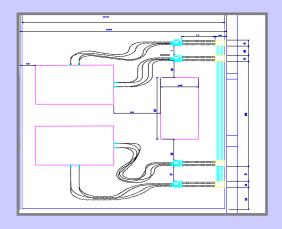
Specifiche

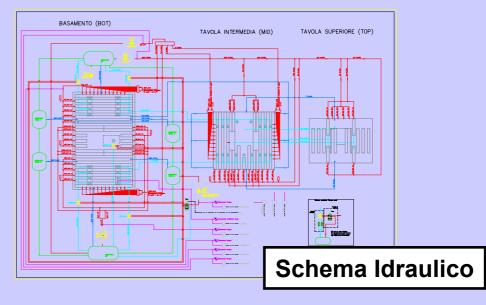
Maxitavole



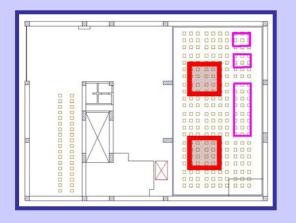
Maxitavole

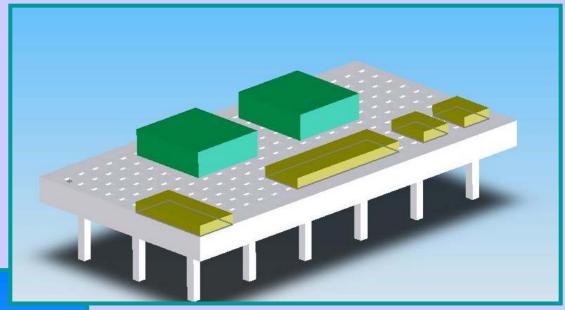


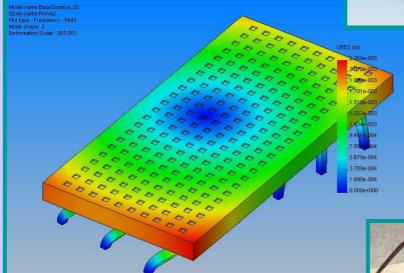




Base sismica







Frequenze di prova: fino a 50 Hz

1	5.2566	0.19024
2	5.2597	0.19012
3	5.4033	0.18507

Maxitavole





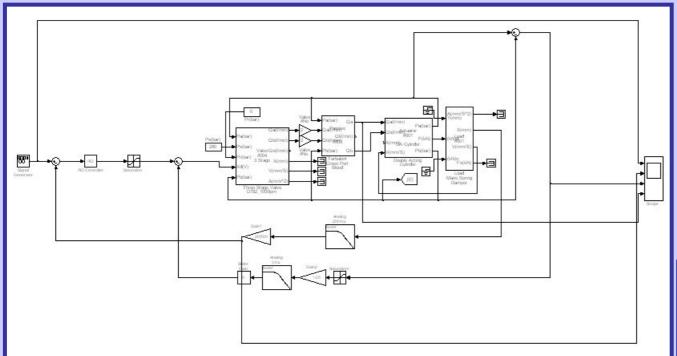


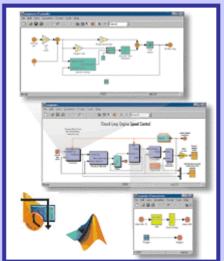




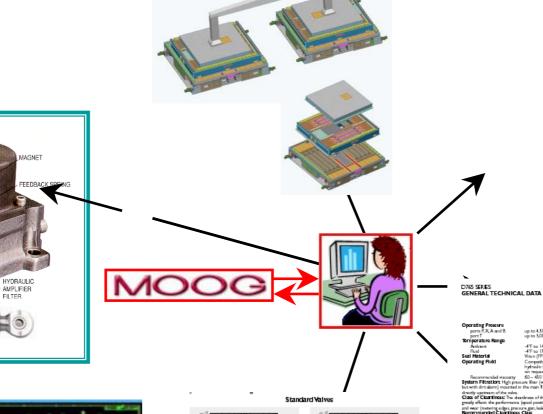


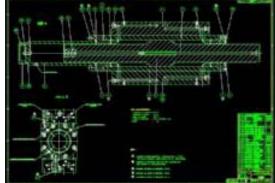
Simulink





Componenti Moog





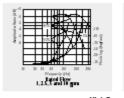
UPPER POLEPIECE

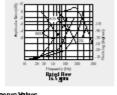
SPOOL

MOTOR COIL ARMATURE

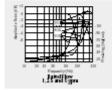
FLEXURE SLEEVE

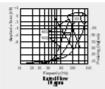
NOZZLE











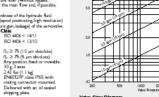
up to 4,500 pm (315 bm²) up to 3,000 pm (210 bm²)

Reinjoerature Range
Arabustt 4- 10 1677 1 2077 Cts 8570
Arabustt 4- 10 1677 1 2077 Cts 8570
Stall Matterial
Operating Fluid
Computable with carmon hydraulic fluids, other fluid
Recommended vaccisty
Section Fluids Cts 8- 10 1075
System Fluids Cts 10 107

but with directable models of the main flow and, if possible, and condy upstream of the wakes, the condition of the bydrack but directly upstream of the bydrack but praise when the particular praise present possible properties of the properties of the properties of the particular praise of the

For normal operation
For longer the
Installation Operations
Vibration
Weight
Degree of Protection

Shipping Plate



Valve Flow Diagram
Valve flow for maximum valve opening (100% command signal) as a function of the valve pressure drop

