

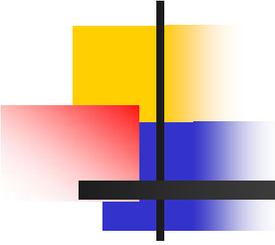
## Rapporto del Servizio di Elettronica 2014/2015

Componenti del Servizio di Elettronica, come da foglio presenze:

- Paolo Musico (responsabile)
- Massimo Cariello
- Massimiliano Cresta
- Giuseppe Mini'
- Saverio Minutoli → dal 1 settembre 2015 part time al 30 %
- Fabio Pratolongo

Principali attività' (in ordine sparso) sulle seguenti sigle:

- Jlab12
- Borexino/Darkside
- Lhcb
- Totem
- KM3Net
- Topem
- INFN-E



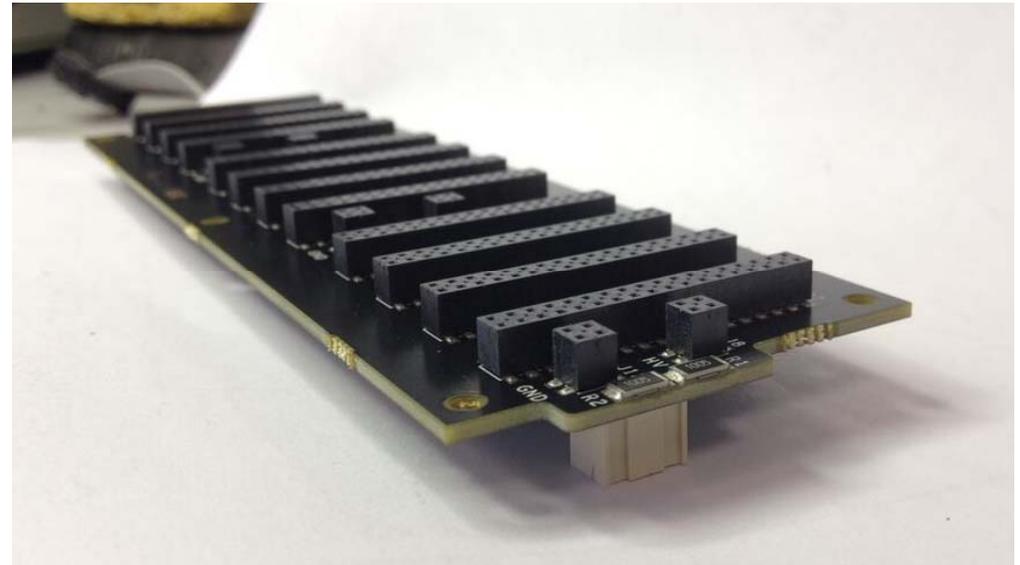
## Jlab12 et similia

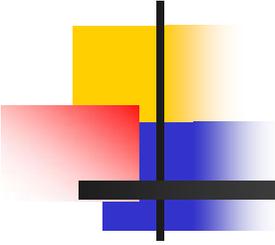
GEM readout

Forward tagger (Ft-cal, Ft-hodo),  
HPS, BDX, Clas-Med

AstrO

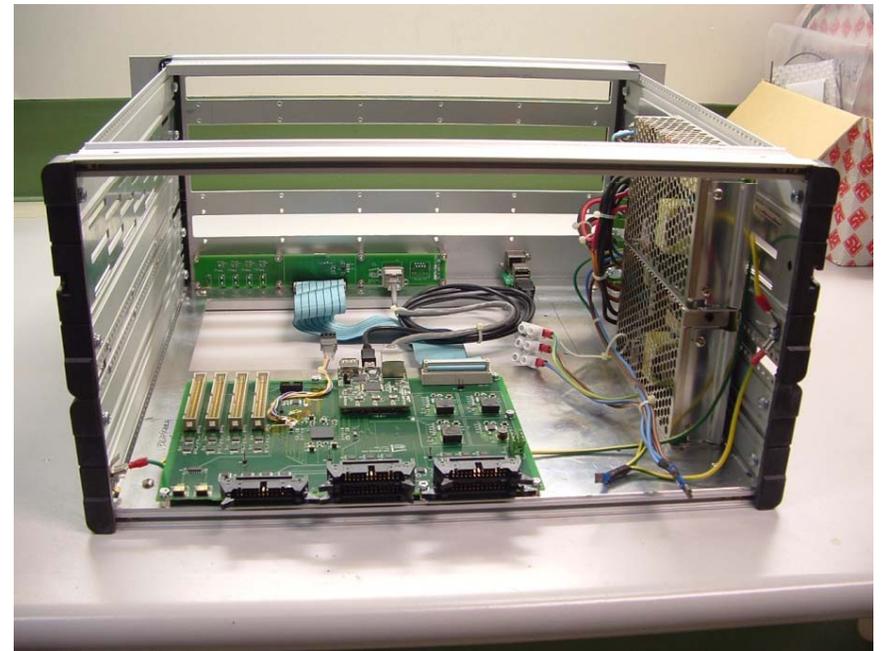
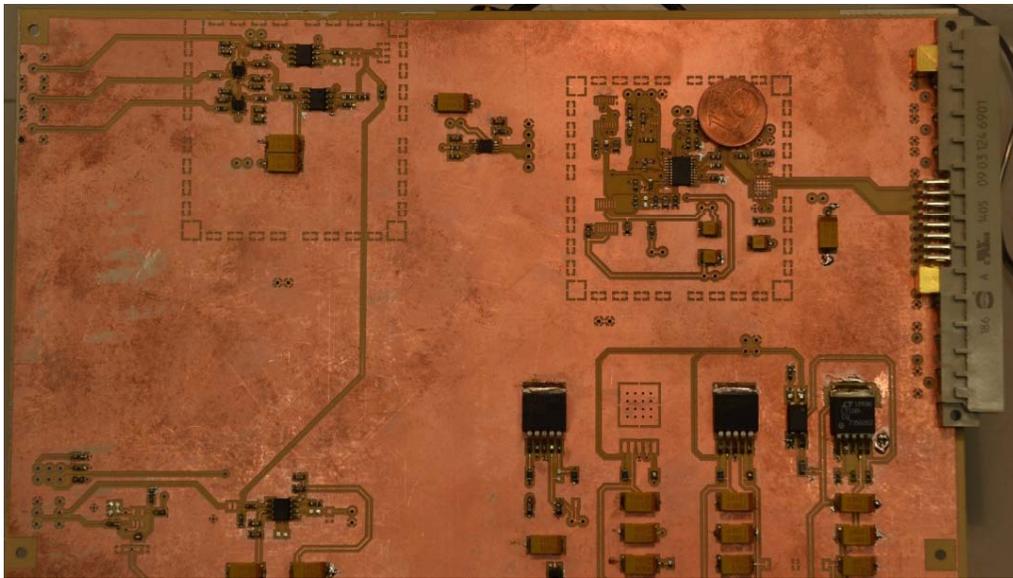
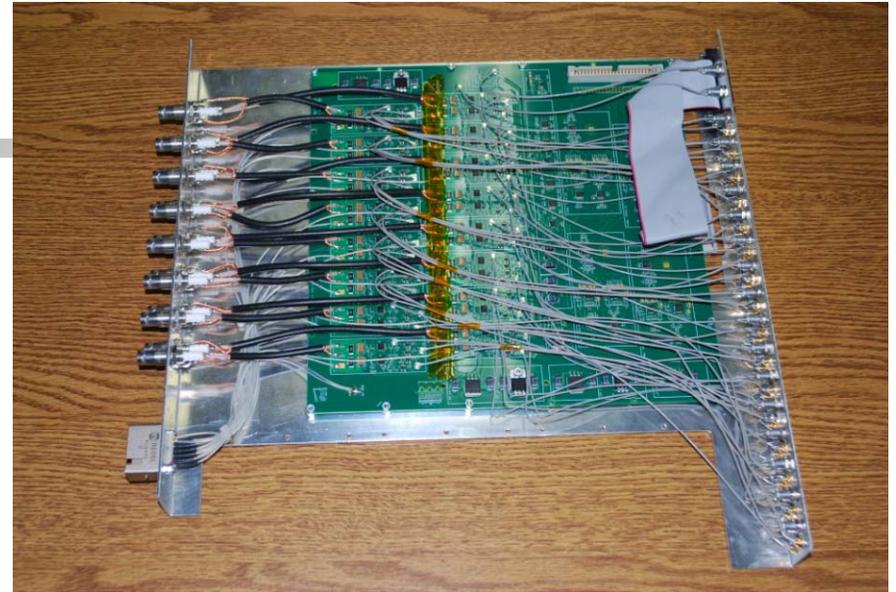
Scintilla





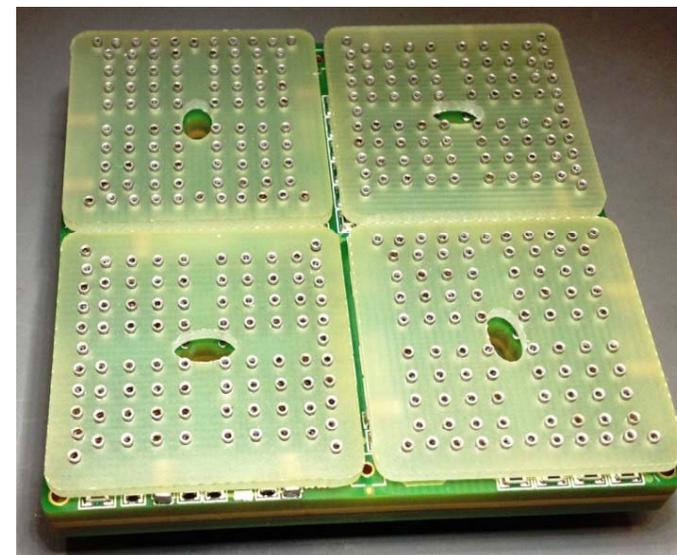
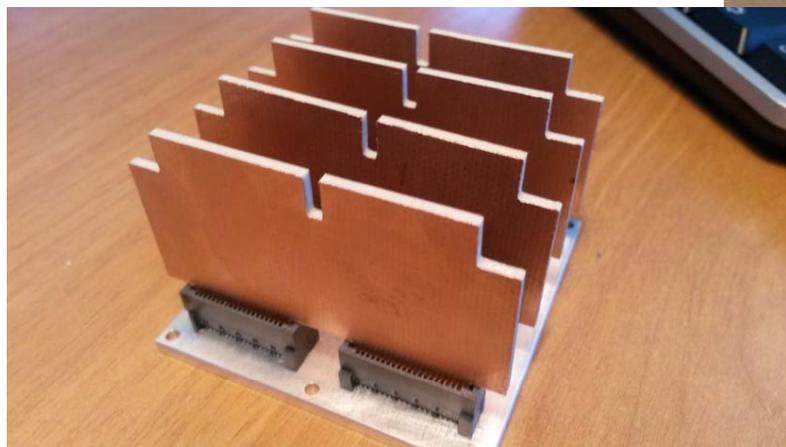
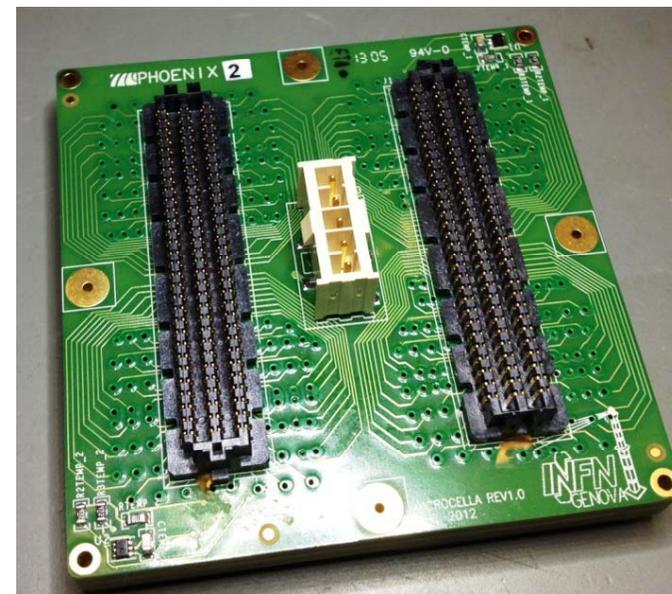
## Borexino/Darkside

Nuovo front-end per PMT per Darkside  
Studio nuovo sistema per Borexino

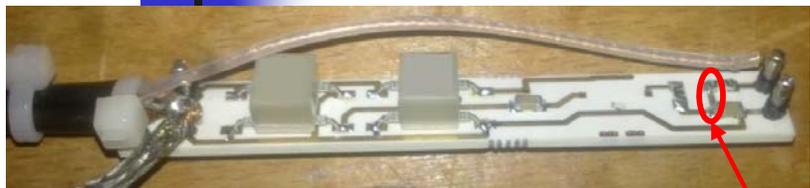


# LHCb

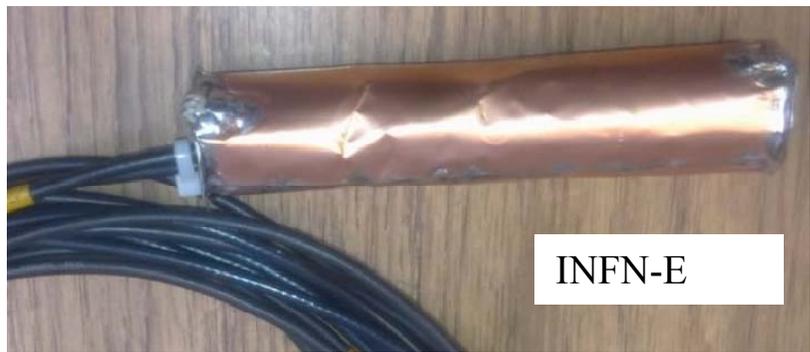
Microcella 4 MAPMT  
Microcella 1 MAPMT  
Mockup meccanici



# INFN-E & LHCb



Front-End Diamond Mono

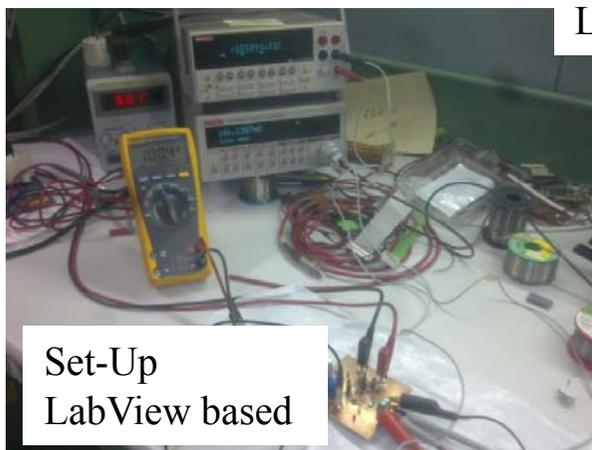


INFN-E



INFN-E

Front-End Diamond Sandwich



Set-Up  
LabView based

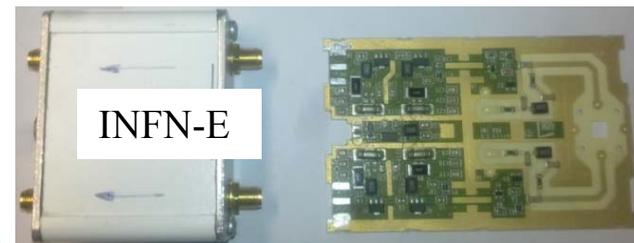
LHCb



Precision Low Side I Source  
 $\mu$ Ohmetro 4  
wires technique



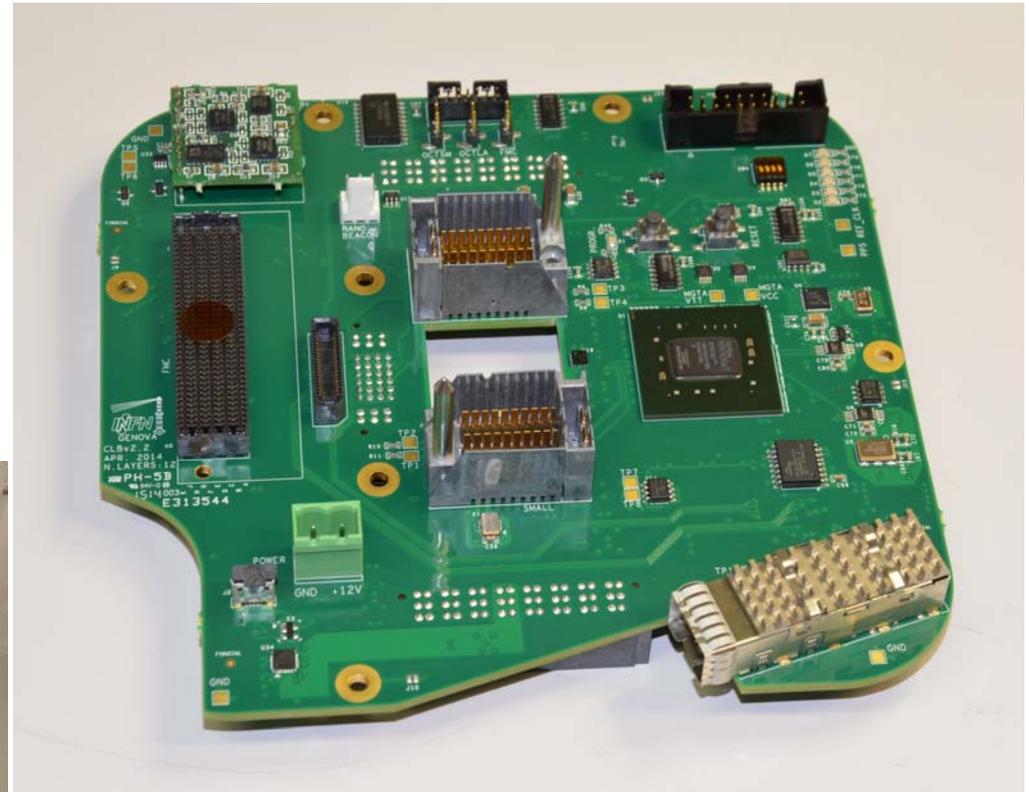
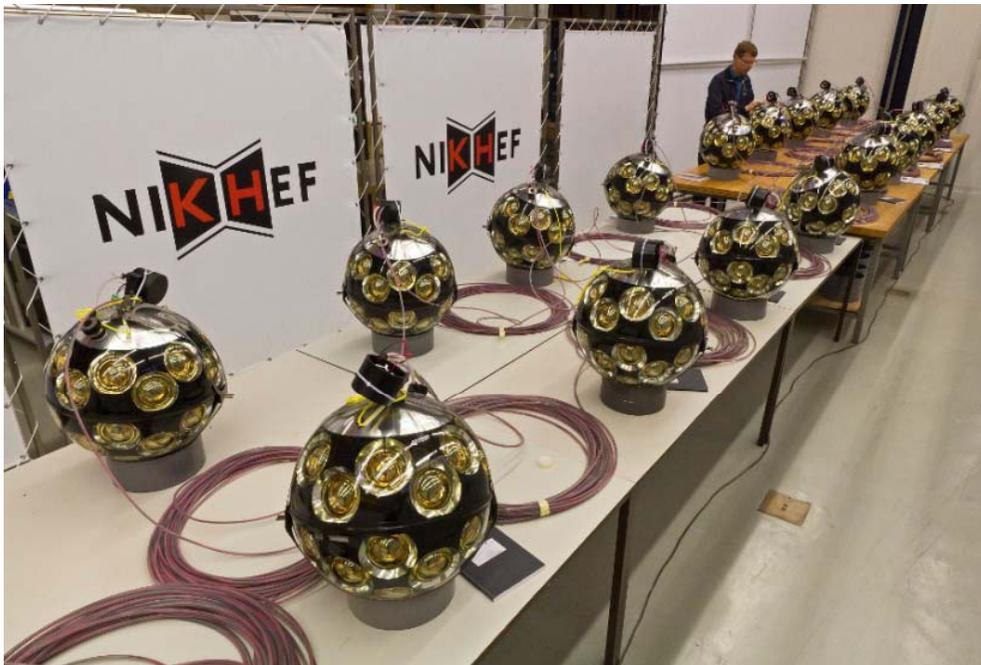
Diamond Low Noise Fast Preamp

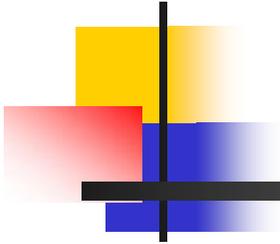


INFN-E

# KM3NeT

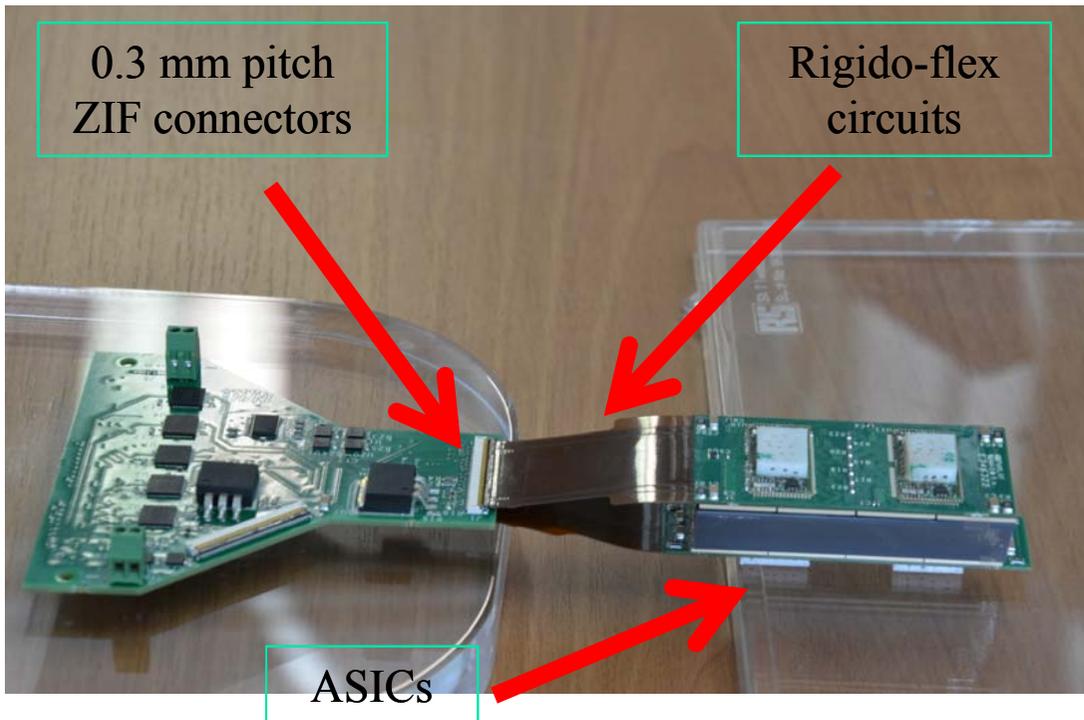
Progetto e prototipazione CLB  
Gestione produzione (600 pezzi)  
Gestione qualità'





# TOPEM

Prototipo probe endo-rettale per PET dedicata



## Nuova fresa per PCB

Installata in Febbraio 2015  
Sostituzione della precedente  
( $\approx$ 1995)

Lavori fatti finora:

- n. 6 per MEG
- n. 5 per AEGIS
- n. 3 per Darkside/Borexino
- n. 3 per Clas12
- n. 1 per il Servizio
- n. 1 per Fontanelli R&D

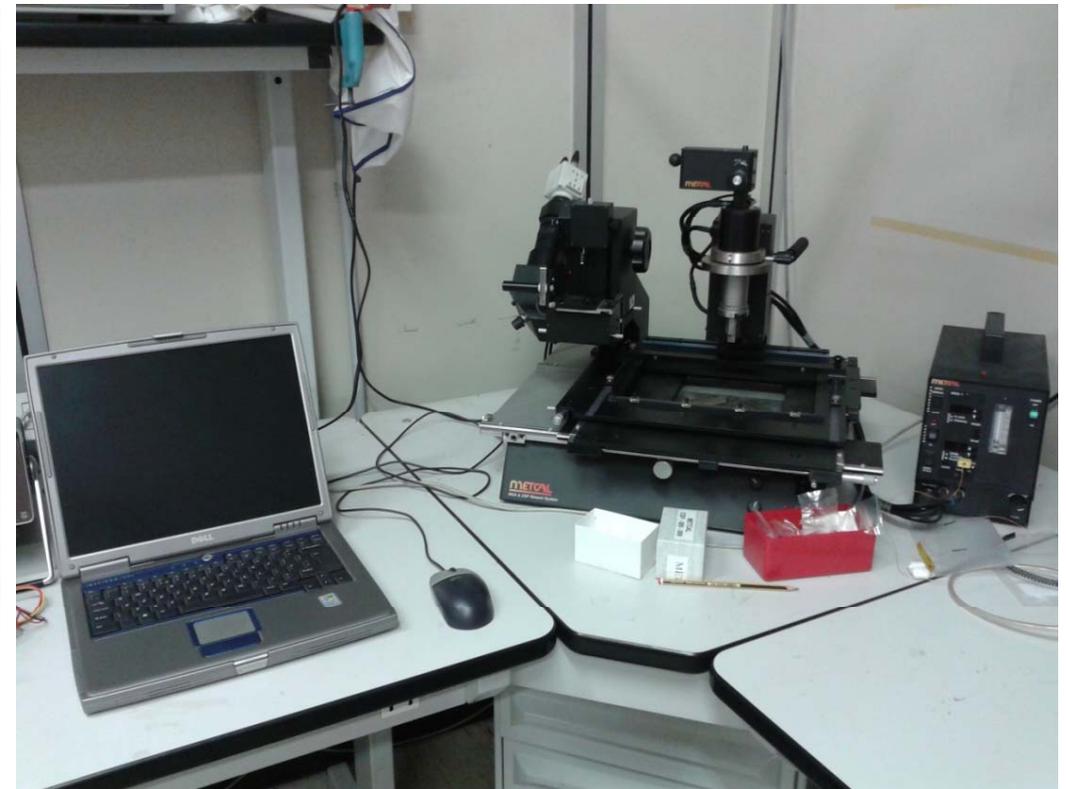
Totale: 79 PCB



## Altre attrezzature di laboratorio elettronico

Microscopio ottico per analisi PCB

Sistema ad aria calda per rilavorazione IC complessi (fine pitch, BGA)



## Richieste finanziarie per il 2015

Manutenzione software CAD elettronico: 5000 Euro

Acquisto alimentatore HV 4 canali (CAEN DT1470ET): 5600 Euro

Acquisto sistema di visione per ispezione e rilavorazione PCB  
(Leica DMS300): 4900 Euro

Software aggiuntivo per Leica DMS300,  
completo di PC dedicato: 2800 Euro

Materiale di consumo (metabolismo): 10000 Euro

