ELECTRONIC REPROGRAMMABLE LOCK

E-PRL

ELECTRONIC LOCK E-PRL

The vision proposed by Giussani Techniques

All programmable locking systems on the market even though they are built with different materials, have functional characteristics comparable:

- Mechanical operation
- +/- high number of combinations
- similar programming system, with key specifies and unique encryption
- locking system with key traditional usage
- range of different lengths of cylinder

All systems have some problems typical of mechanical locks :

- risk of blockage and broken keys
- ability to duplicate and play the keys
- medium resistance to attempts at forcing and opening with lock picks, drills, serrated blades, method "bumping" and picking.

Giussani Techniques S.p.a. has designed and patented an innovative lock basing the principles of operation on **electronic technology** raising up the level of security offered from mechanical technology focusing also on the quality of the **Made in Italy**.

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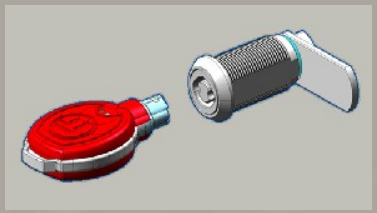
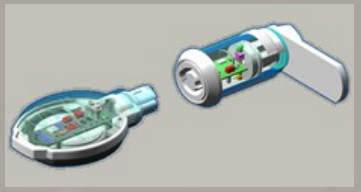
MECHANICAL DATA : SECURITY WITH ITALIAN STYLE



PRODUCT SPECIFICATIONS	
Wear resistance and attempts of forced entry	Use of Steel AISI 316 for all mechanical parts
Lock resistance to water and dust for outdoor applications	System that guarantees IP65 sealing
No reference on lock for burglary	Listing key pair difficult to use in burglary attempts
Opportunity for the customer to lock change without modification of existing mechanical	Realization stators with lengths and diameters compatible with existing ones
Ergonomic key for comfortable use and modern design	Dimensions of all the parts reduced to bare minimum and made harmonic shapes
High quality and assurance of the production process	Made in Italy production

ELECTRONIC LOCK E-PRL

ELECTRONIC DATA : THE BEATING HEART

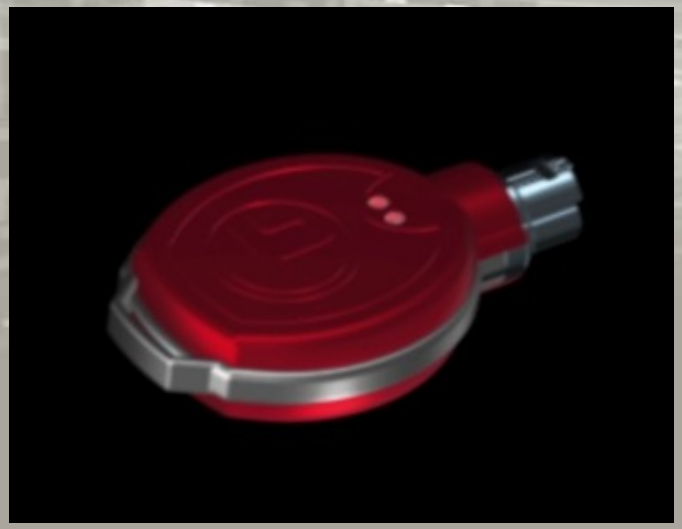


PRODUCT SPECIFICATIONS	
Inviolable communication system	Use AES 128 bit custom communication system
Large number of possible key codes	Electronic system that allows a number of encryptions greater than 10 billion
Uniqueness of single key	Each key has its own "DNA" derived from more data on board electronics
Lock that does not require revision or addition of electric installations on machines already produced or installed	No power on lock: system power is internal to the key
Use small battery but with long life	Use of an electronic system and a battery Duracell (easily changeable) that allows 10.000 cycles of operations
High storage capacity of the lock in order not to lose the historicity of access even without access downloads for long periods	Each lock is able to store the last 4.000 accesses
High storage capacity of History Key to enable storing multiple access locks with single instrument	The History Key allows downloading and storing up to 32.000 access management through dedicated software

ELECTRONIC LOCK E-PRL

MASTER KEY

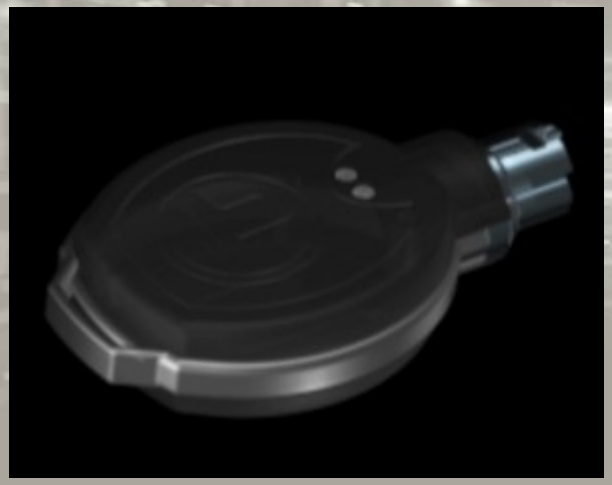
The MASTER KEY allows programming of USER KEYS on lock



ELECTRONIC LOCK E-PRL

USER KEY

Any registered USER KEY on the lock will consent to the opening of the lock



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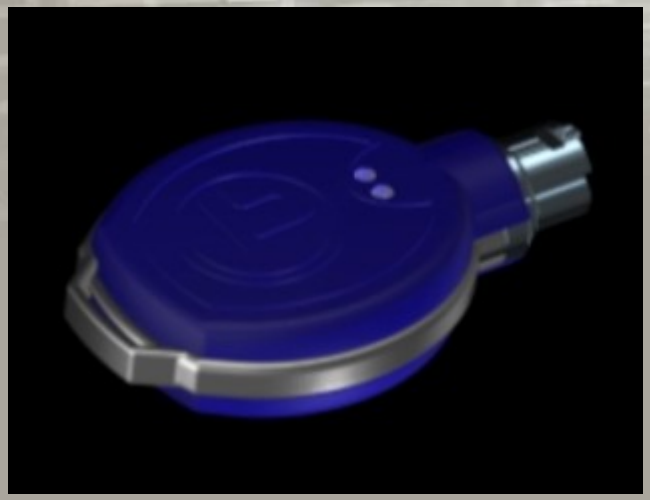
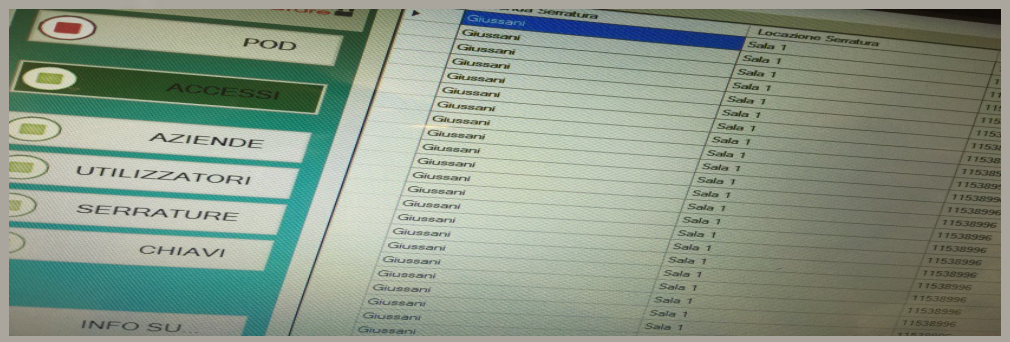
HISTORY KEY

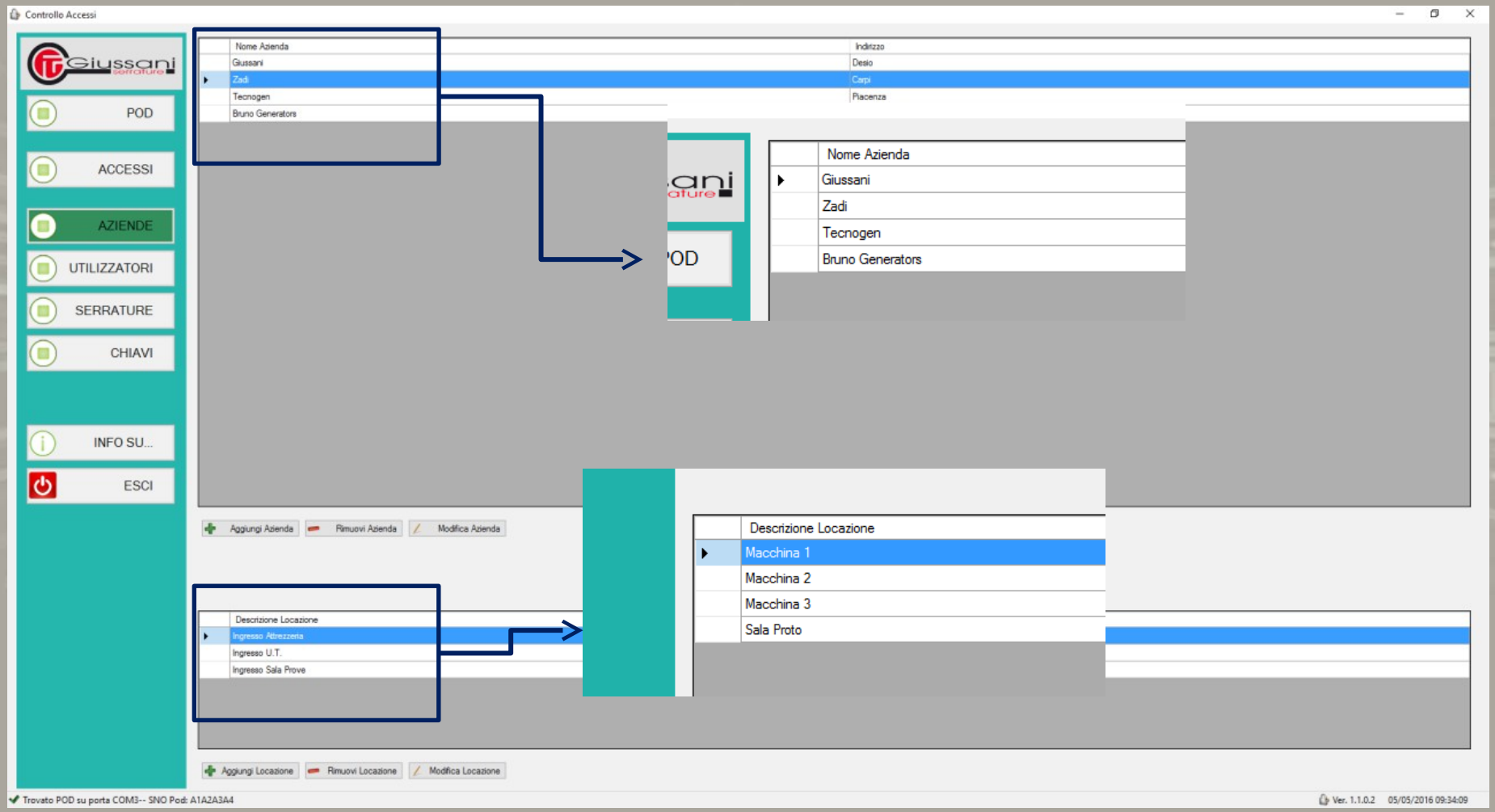
The HISTORY KEY may download anytime all your login information on locks and bring them back on management software





ELECTRONIC LOCK E-PRL

WITH GSN-KEY SOFTWARE THE NEW MANAGEMENT

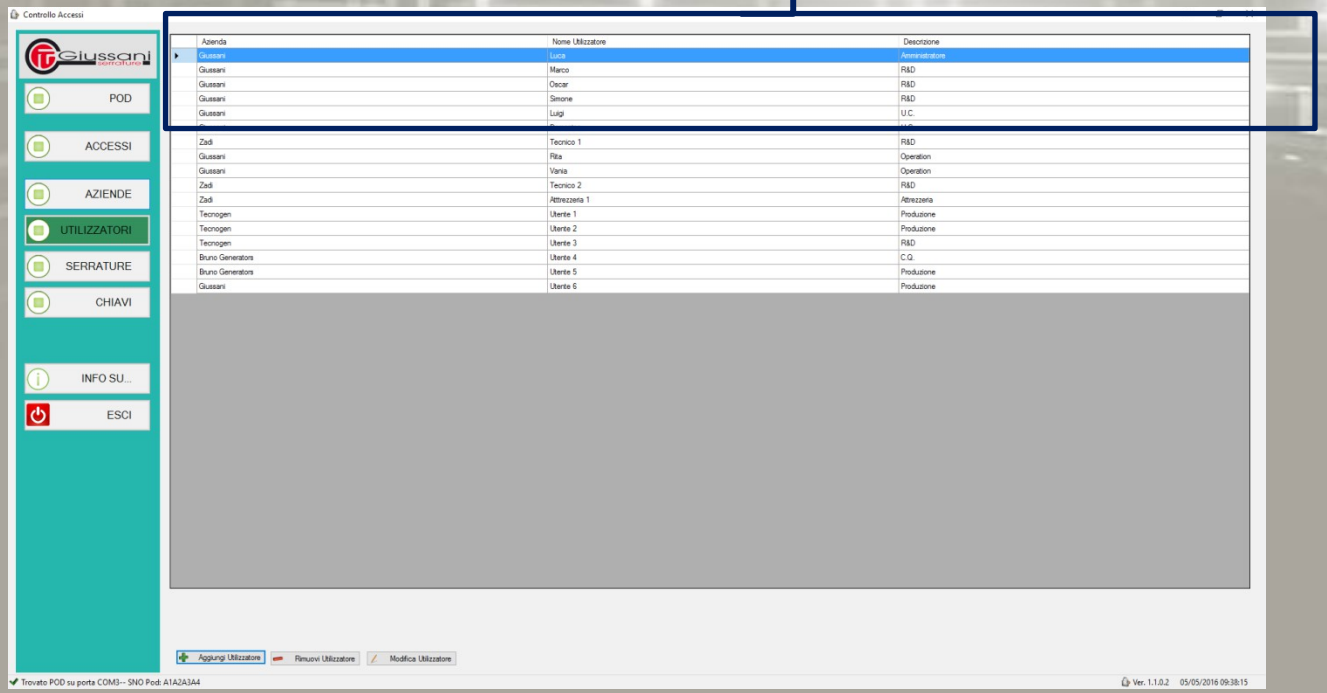


Easy coding of company and individual E-PRL locks

ELECTRONIC LOCK E-PRL

WITH GSN-KEY SOFTWARE THE NEW MANAGEMENT

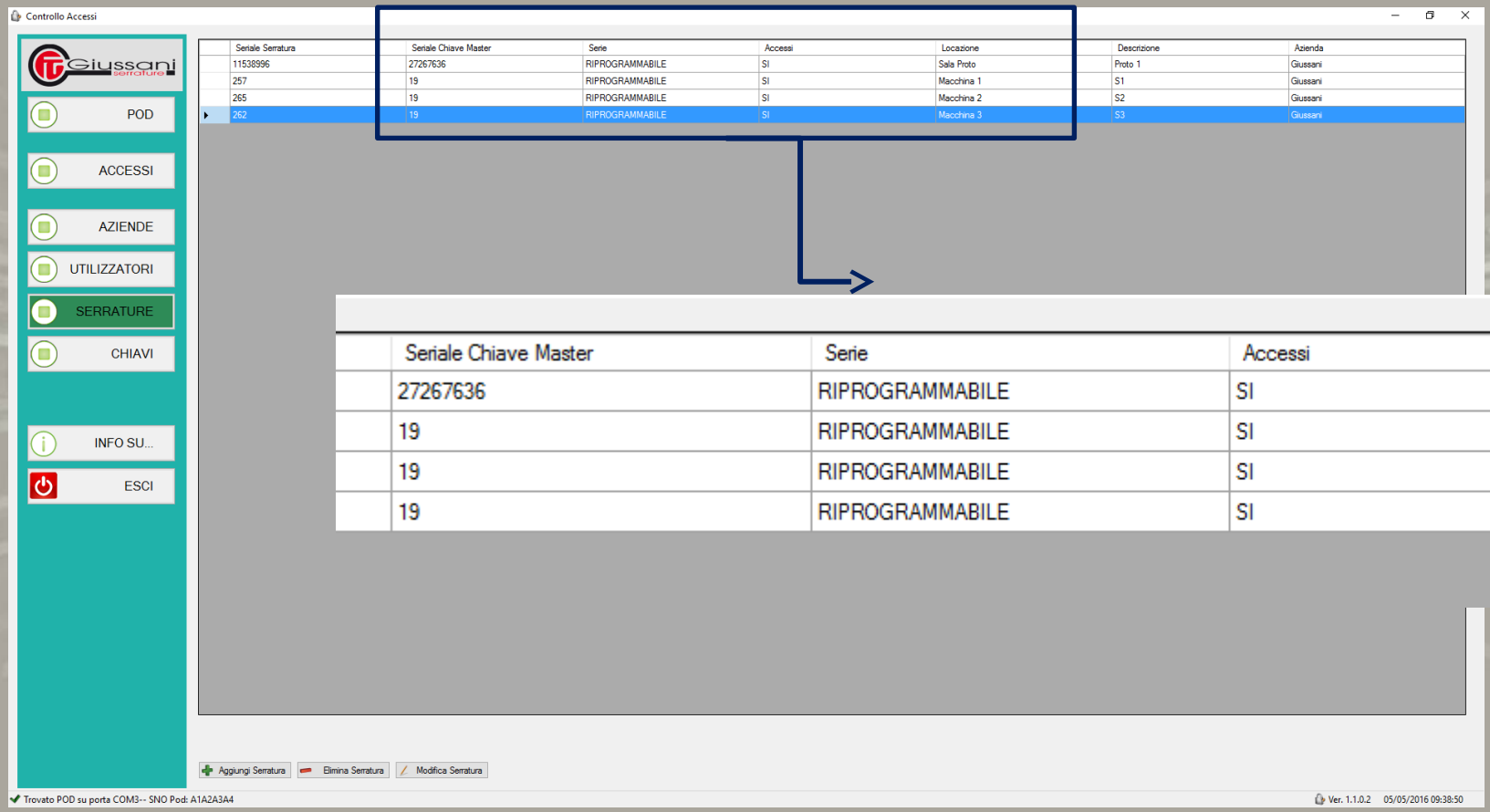
Azienda	Nome Utilizzatore	Descrizione
Giussani	Luca	Amministratore
Giussani	Marco	R&D
Giussani	Oscar	R&D
Giussani	Simone	R&D
Giussani	Luigi	U.C.
Giussani	Domenico	U.C.



Registering users and system administrators

ELECTRONIC LOCK E-PRL

WITH GSN-KEY SOFTWARE THE NEW MANAGEMENT

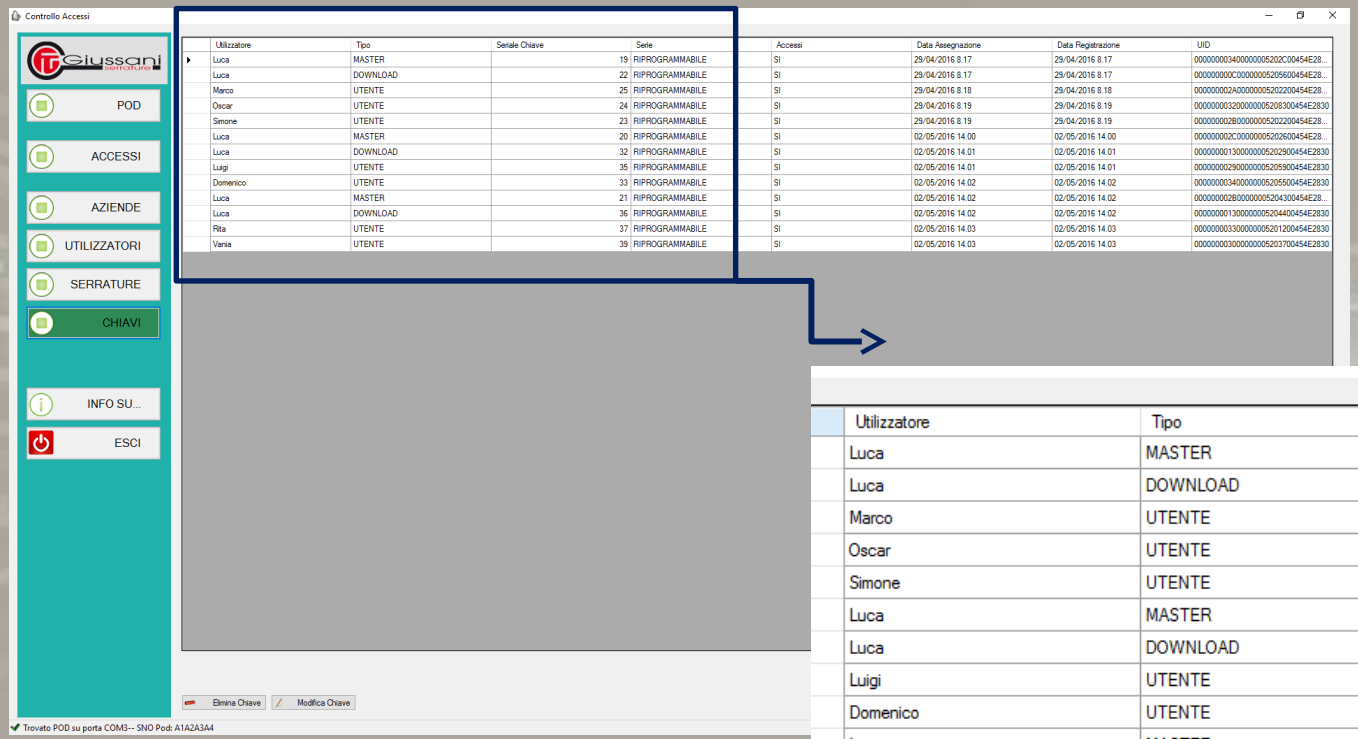


Seriale Chiave Master	Serie	Accessi	Locazione
27267636	RIPROGRAMMABILE	SI	Sala Proto
19	RIPROGRAMMABILE	SI	Macchina 1
19	RIPROGRAMMABILE	SI	Macchina 2
19	RIPROGRAMMABILE	SI	Macchina 3

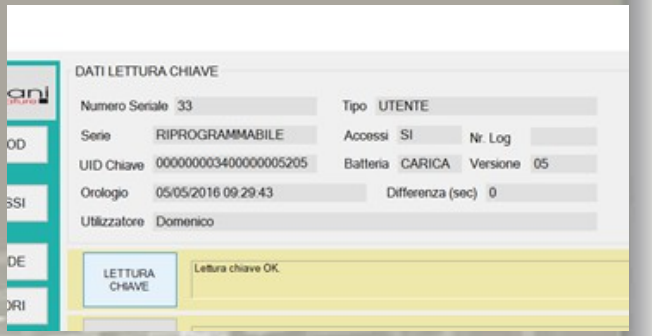
Registration through the POD-GT the locks and imputation of the place

ELECTRONIC LOCK E-PRL

WITH GSN-KEY SOFTWARE THE NEW MANAGEMENT



Utilizzatore	Tipo	Seriale Chiave	Serie	Accessi	Data Assegnazione	Data Registrazione	UID
Luca	MASTER	19	RIPROGRAMMABILE	SI	29/04/2016 8.17	29/04/2016 8.17	00000000340000005202C00454E28...
Luca	DOWNLOAD	22	RIPROGRAMMABILE	SI	29/04/2016 8.17	29/04/2016 8.17	00000000C0000000520560045 4E28...
Marco	UTENTE	25	RIPROGRAMMABILE	SI	29/04/2016 8.18	29/04/2016 8.18	00000000 2A0000000520220045 4E28...
Oscar	UTENTE	24	RIPROGRAMMABILE	SI	29/04/2016 8.19	29/04/2016 8.19	00000000320000000520830045 4E2830
Simone	UTENTE	23	RIPROGRAMMABILE	SI	29/04/2016 8.19	29/04/2016 8.19	00000000 2B0000000520220045 4E28...
Luca	MASTER	20	RIPROGRAMMABILE	SI	02/05/2016 14.00	02/05/2016 14.00	00000000 2C0000000520260045 4E28...
Luca	DOWNLOAD	32	RIPROGRAMMABILE	SI	02/05/2016 14.01	02/05/2016 14.01	00000000130000000520290045 4E2830
Luigi	UTENTE	35	RIPROGRAMMABILE	SI	02/05/2016 14.01	02/05/2016 14.01	00000000290000000520590045 4E2830
Domenico	UTENTE	33	RIPROGRAMMABILE	SI	02/05/2016 14.02	02/05/2016 14.02	00000000340000000520550045 4E2830
Luca	MASTER	21	RIPROGRAMMABILE	SI	02/05/2016 14.02	02/05/2016 14.02	00000000 2B0000000520430045 4E28...
Luca	DOWNLOAD	36	RIPROGRAMMABILE	SI	02/05/2016 14.02	02/05/2016 14.02	00000000130000000520440045 4E2830
Rita	UTENTE	37	RIPROGRAMMABILE	SI	02/05/2016 14.03	02/05/2016 14.03	00000000330000000520120045 4E2830
Vania	UTENTE	39	RIPROGRAMMABILE	SI	02/05/2016 14.03	02/05/2016 14.03	00000000300000000520370045 4E2830



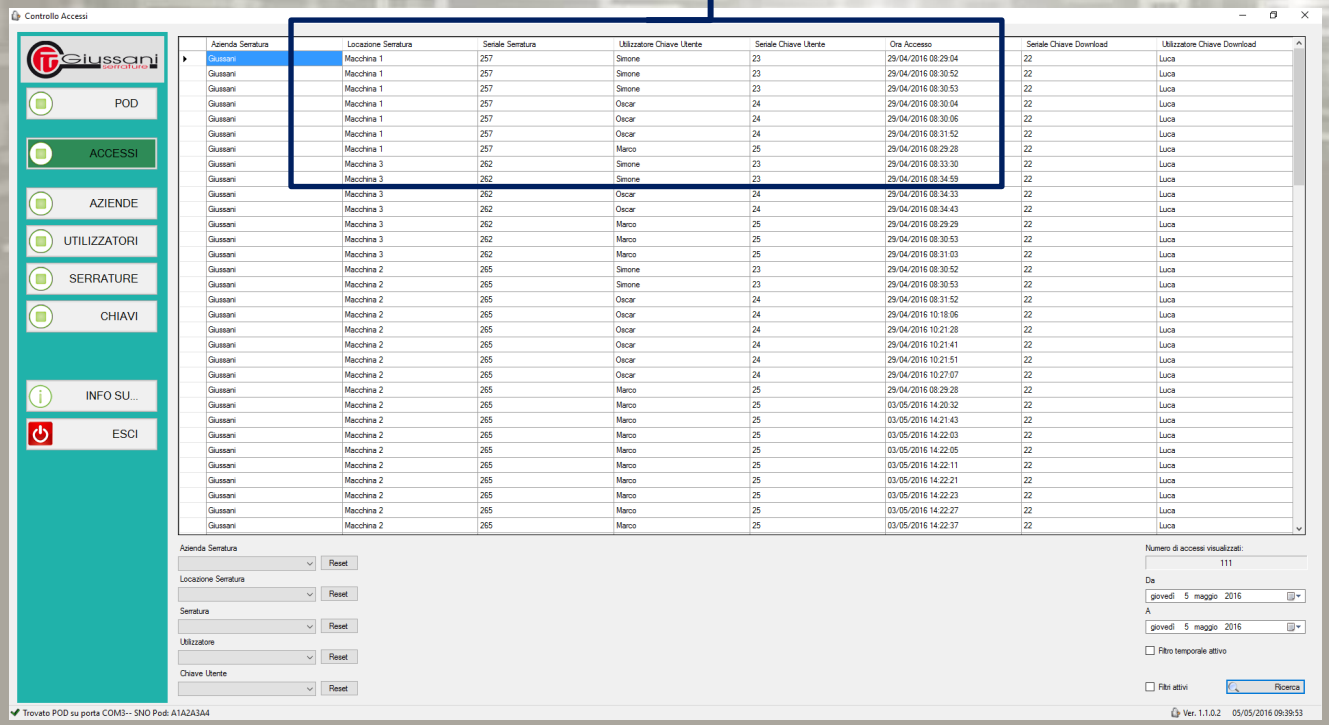
Utilizzatore	Tipo	Seriale Chiave	Serie
Luca	MASTER	19	RIPROGRAMMABILE
Luca	DOWNLOAD	22	RIPROGRAMMABILE
Marco	UTENTE	25	RIPROGRAMMABILE
Oscar	UTENTE	24	RIPROGRAMMABILE
Simone	UTENTE	23	RIPROGRAMMABILE
Luca	MASTER	20	RIPROGRAMMABILE
Luca	DOWNLOAD	32	RIPROGRAMMABILE
Luigi	UTENTE	35	RIPROGRAMMABILE
Domenico	UTENTE	33	RIPROGRAMMABILE
Luca	MASTER	21	RIPROGRAMMABILE
Luca	DOWNLOAD	36	RIPROGRAMMABILE
Rita	UTENTE	37	RIPROGRAMMABILE
Vania	UTENTE	39	RIPROGRAMMABILE

Pairing through the POD-GT of keys to users and system administrators

ELECTRONIC LOCK E-PRL

WITH GSN-KEY SOFTWARE THE NEW MANAGEMENT

Locazione Serratura	Seriale Serratura	Utilizzatore Chiave Utente	Seriale Chiave Utente	Ora Accesso
Macchina 1	257	Simone	23	29/04/2016 08:29:04
Macchina 1	257	Simone	23	29/04/2016 08:30:52
Macchina 1	257	Simone	23	29/04/2016 08:30:53
Macchina 1	257	Oscar	24	29/04/2016 08:30:04
Macchina 1	257	Oscar	24	29/04/2016 08:30:06
Macchina 1	257	Oscar	24	29/04/2016 08:31:52
Macchina 1	257	Marco	25	29/04/2016 08:29:28

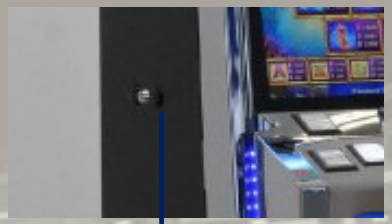


Check and analysis of the accesses of every user on every lock

ELECTRONIC LOCK E-PRL

E-PRL AIR

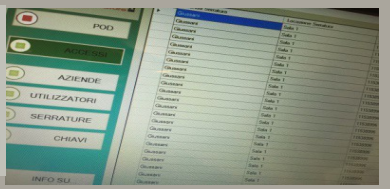
E-PRL AIR version allows the transmission of access data directly from USER KEY to the receiving device dedicated (DRH-GT) which is connected to a local PC or network



DRH-GT

ADSL
GPRS

INTERNET



COMPANY