Central Vacuuming Systems

Questionnaire for Dental Laboratories

zubler USA
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Dear Lab Owner,

Many thanks for your interest in our Central Vacuum System. However, before you fill in this questionnaire, we would like to ask you to read our information sheet of preconditions for the installation. Please check, if the installation and operation of the Central Vacuum System is possible.

Name of Lab _____

Contact Person _____

Street _____

City /State /Zip _____

Phone _____

Fax _____

E-mail _____

To enable us to submit a precise quote it is necessary for you to read this questionnaire carefully and fully complete it. If there are any uncertainties, please do not hesitate to contact us. Our specialists will be pleased to help you with further explanations.

A Laboratory drawing and supplementing your laboratory plan

In addition to the completed questionnaire, we need a floor plan in **PDF**, **DXF or DWG CAD-file** of the existing or planned laboratory in which the central vacuum system is to be installed. This plan should give the following information:

- Scale or at least one dimension
- Floor plan of the laboratory furniture and work stations
- Markings of the rooms/departments (Ceramics, Crown & Bridge, Prosthetics...)
- Marking of all work stations
- Location of the devices to be vacuumed
- Location of the Central Suction Unit (mechanical room)

Please note, that we are not able to submit an exact quote without a plan.
Also, if there are any changes on the plan, the existing offer based on the old plan is no longer valid.

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B Kind of installation of the main pipeline system

For the installation of the main piping system, we have two possibilities : ceiling or floor.
Please mark which one is planned in your laboratory.

→Ceiling

☐ same floor ☐ floor below (e.g. basement)

→Floor

☐ crawl space ☐ cement slab

Notice:

The structure of the main pipeline will be planned by zubler on the basis of your details and the laboratory plan. You will receive a piping plan with data of pipe diameters which are necessary for optimum functioning of the Central Vacuum System. The installation of the main pipes can be carried out by a local installation company. This work will not be part of our quote.

D Work Stations (seats)

The vacuum system is, in principle, fitted with automatic vacuum socket openers. As soon as a dust generating device is operated, the vacuuming socket opens and closes after stopping the device with a short after-run. There are various types of automatic vacuum socket openers, which have to be adjusted to the respective devices at the work stations.

Please give below the **NUMBER** of existing or planned work station types in your laboratory and also enter the positions in the drawing.

		Amount
E1	Electric hand piece (+1 air driven turbine connection)	_____
E2	Electric hand piece (+2 air driven turbine connection)	_____
R	Rear (Lathe or high speed grinder)	_____

Notice:
The electronic control is always included in the air driven turbine.

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D Two Circuit Technology (for precious metal)

For laboratories, separated into departments, it can be worthwhile to connect a department in which precious metal is processed (e.g. Crown & Bridge) to a separate vacuum pipeline (main pipeline). The debris from these work stations with high precious metal concentration can, in this case, be collected in a separate filter system or by a separate exhaust. The aim is to reduce the separation costs giving the laboratory a greater scrap return. This is possible by collecting and disposing the bulk of debris such as gypsum and plastic separately.
We recommend locking this cabinet.

Design with precious metal separation NO ☐

YES ☐ amount of stations: _____

Notice:

Please mark all precious metal stations on the plan.

E Devices

Please enter all dust generating devices, which are to be connected to the vacuum system. (Devices with integrated suction can be modified.)

	Amount
Polishing Unit (Exhaust on one side)	_____
Polishing Unit (Exhaust on both sides)	_____
Sand blaster (Micro blaster)	_____
Shell blaster (big, universal blaster)	_____
Model Saw	_____
Dry Trimmer	_____
Router	_____
Other devices _____	_____

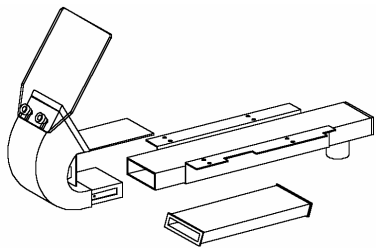
Notice:

Please mark all kinds of devices on the plan.

F Accessories

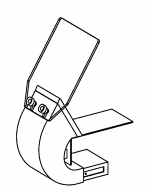
Many factors determine the quality of the technical solutions for vacuum. In most cases an improper shape or too narrow cross-sections are responsible for high air noises.
The system, as a whole, has to be optimally adjusted in all parts. A low influx noise, the efficient usage of the air flow, also the best possible debris collection are as important as the quality features of the central vacuuming system.
We recommend work spaces with “Front suction” and using zubler suction accessories.

For example:



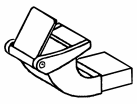
1xR1200 and 1xR1000

Amount



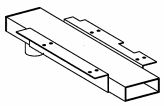
R 1200
Vacuum funnel, large
with large safety-glass shield
for rectangular pipe R1000 + R1300

_____



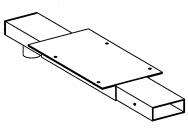
R 1250
Vacuum funnel, small
with fix glass shield
for rectangular pipe R1000 + R1300

_____



R 1000
Rectangular pipe, fixed
80x30 mm, length 415 mm
connects to Ø36-40mm hose
for vacuum funnel R1200, R1250 + R1251

_____



R 1300
Rectangular pipe, pull-out
80x30 mm, length 430-540 mm
connects to Ø36-40mm hose
for vacuum funnel R1200, R1250 + R1251

_____

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H Laboratory furniture

Many manufacturers of dental laboratory furniture have the possibility for modifications and special adjustments to the furniture. If a front vacuum system already exists and the intention is to continue using it or it is already integrated into the new, purchased furniture, we need details of this in the form of photographs and sketches.

What type and what material is the furniture made?

Manufacturer (Nevin, …) _____

Furniture type (wood, steel,…) _____

F Schedule

The installation of the Central Vacuum System is the last step in new laboratory construction or renovation. The pre-piping has to be installed.
At this time the furniture and all devices, that will have suction attached, must be in place.

What is the expected date for the start of the laboratory operation with the installed Central Vacuum System?

☐☐ Month ☐☐ Year

We thank you for your co-operation in completing this questionnaire we shall submit a customized quote as soon as possible.