

**EQUIPMENT NEEDS ASSESSMENT APPLICATION**  
**Fall 2019**

Name of Person Submitting Request:	<b>Joshua Milligan / Bryce Cacho</b>
Program or Service Area:	<b>Welding Technology</b>
Division:	<b>Applied Technology, Transportation and Culinary Arts</b>
Date of Last Program Efficacy:	<b>Spring 2019</b>
What rating was given?	<b>Continuation</b>
Equipment Requested	<b>2 multiprocess RMD Welding Machines</b>
Amount Requested:	<b>\$30,000</b>
Strategic Initiatives Addressed:	1 and 2
Needs Assessment Resources (includes Strategic Initiatives):	<a href="https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php">https://www.valleycollege.edu/about-sbvc/campus-committees/academic-senate/program-review/needs-assessment.php</a>

NOTE: To facilitate ranking by the committee, submit separate requests for each item; however, multiple items can be submitted as one request if it is required that the equipment is packaged together.

Replacement ☒ Additional ☐

Are there alternative funding sources? (for example, Department, Budget, Perkins, Grants, etc.)

Yes ☒ NO ☐

If yes, what are they? \_\_\_\_\_SWP, Perkins (maybe for next year)\_\_\_\_\_

1. Provide a rationale for your request. (Explain, in detail, the need for this equipment.)

The welding industry has shifted focus from several of the older welding processes to newer processes. These newer processes include: Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Metal Cored Arc Welding (MCAW) and Regulated Metal Deposition Welding (RMD). The program has also been approved for eight new Welding Technology courses and four new Welding Technology certificates by the request of the program's advisory committee. Because of the high demand for welders in this region and the shift to these newer welding technologies, it is vital that the San Bernardino Valley College Welding Program acquire new machines to properly train students for the demands of the industry and accurately prepare them to receive high paying jobs. We are requesting 2 new multi process machines that are capable of the new RMD process.

2. Indicate how the content of the department/program's latest Efficacy Report and/or current EMP supports this request and how the request is tied to program planning. (*Directly reference the relevant information from your latest Efficacy Report and/or current EMP in your discussion.*)

The duplicated enrollment went from 326 for the 15-16 year to 556 for the 18-19 year. This is a 70.55% increase from the 15-16 year to the 18-19 year. The FTES increased by 119.93% from the 15-16 year to 18-19 year. Because of these significant increases in both the duplicated enrollment and FTES, one of the major goals for the program's most recent EMP is increasing funding for new equipment. The program is continuing to sustain an increased growth for the current year and

for this to continue successfully and support the needs of the students, additional funding is required.

3. Indicate any additional information you want the committee to consider (*for example, regulatory information, compliance, updated efficiency, student success data, planning, etc.*).

Providing adequate equipment in the practical learning process of the welding students will help improve and maintain the high retention and completion rates (student success). Adequate equipment will also help with students' enrollment once the students see that the program offers the necessary equipment for their success within the local industry. The Welding Program also performs certification testing which requires the proper equipment to perform. It is vital for the program to upgrade the equipment to meet the demands of the required industry certifications

4. Indicate any related costs (including any ongoing maintenance or updates) and department/program's plans to support those costs.

Since the requested equipment is for replacement of old equipment there is no additional anticipated ongoing cost with the purchase of the proposed equipment.

5. What are the consequences of not funding this equipment?

The hands-on/lab projects in each of the curriculums will have to be deferred and will affect the practical learning aspects of the students in the program which will, in turn, affect the students' ability to receive high paying jobs.